

**Appendix 2\_5**

**Mathematics Tasks: Descriptive Statistics**

**All Grades**

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
M1Tot	546	.00	28.00	6.0531	3.46766
M2Tot	546	.00	24.00	16.4176	10.30051
M3Tot	546	.00	8.00	3.5092	2.56528
M4Tot	546	.00	44.00	24.1886	19.25100
M5Tot	546	.00	4.00	2.1777	1.71007
M6Tot	546	.00	4.00	1.9066	1.67564
M7Tot	546	.00	10.00	5.4267	4.08119
M8Tot	546	.00	3.00	1.4780	1.34112
M9Tot	546	.00	5.00	2.2143	2.07118
M10Tot	546	.00	12.00	5.0788	4.84770
M11Tot	546	.00	5.00	2.2601	2.36530
M12Tot	546	.00	2.00	.7821	.90773
M13Tot	546	.00	5.00	1.7015	1.89172
M14Tot	546	.00	7.00	3.7344	3.09201
M15Tot	546	.00	4.00	1.5476	1.63408
M16Tot	546	.00	5.00	1.1410	1.47153
M17Tot	546	.00	9.00	2.3443	3.34644
M18Tot	546	.00	4.00	1.0531	1.41386
M19Tot	546	.00	22.00	8.5897	9.20252
M20_CDM	278	0	32	10.25	8.405
M20_TCD	278	0	32	20.38	10.977
M21_CDM	272	0	20	6.03	5.382
M21_TCD	272	0	70	11.80	8.140
M22_TCD	255	0	17	8.69	5.675
Valid N (listwise)	249				

**ALL GRADES: Task 1 – Identify Numbers**

**Case Processing Summary**

		N	%
Cases	Valid	445	81.5
	Excluded(a)	101	18.5
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.573	.861	8

**Item Statistics**

	Mean	Std. Deviation	N
M1_1	.93	.262	445
M1_2	.86	.344	445
M1_3	.94	.235	445
M1_4	.95	.217	445
M1_5	.89	.311	445
M1_6	.98	1.384	445
M1_7	.91	.283	445
M1_8	.92	.276	445

**Inter-Item Correlation Matrix**

	M1_1	M1_2	M1_3	M1_4	M1_5	M1_6	M1_7	M1_8
M1_1	1.000	.536	.368	.450	.565	.144	.580	.598
M1_2	.536	1.000	.402	.421	.514	.163	.570	.614
M1_3	.368	.402	1.000	.562	.500	.106	.600	.515
M1_4	.450	.421	.562	1.000	.556	.123	.589	.532
M1_5	.565	.514	.500	.556	1.000	.146	.481	.551
M1_6	.144	.163	.106	.123	.146	1.000	.150	.165
M1_7	.580	.570	.600	.589	.481	.150	1.000	.713
M1_8	.598	.614	.515	.532	.551	.165	.713	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.922	.863	.975	.112	1.130	.001	8

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1_1	6.45	4.302	.517	.488	.519
M1_2	6.51	4.097	.515	.460	.500
M1_3	6.44	4.422	.462	.460	.533
M1_4	6.43	4.430	.500	.477	.532
M1_5	6.49	4.183	.515	.499	.508
M1_6	6.40	2.245	.186	.037	.885
M1_7	6.47	4.191	.572	.640	.505
M1_8	6.46	4.190	.589	.615	.503

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
7.38	4.934	2.221	8

**ALL GRADES: Task 2 – Identify/Copy Numerals**

**Case Processing Summary**

		N	%
Cases	Valid	413	75.6
	Excluded(a)	133	24.4
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.898	.942	8

**Item Statistics**

	Mean	Std. Deviation	N
M2_1	1.77	.597	413
M2_2	1.70	.643	413
M2_3	1.87	.473	413
M2_4	1.82	.550	413
M2_5	1.88	.451	413
M2_6	3.38	1.339	413
M2_7	5.19	1.867	413
M2_8	3.52	1.218	413

**Inter-Item Correlation Matrix**

	M2_1	M2_2	M2_3	M2_4	M2_5	M2_6	M2_7	M2_8
M2_1	1.000	.595	.602	.755	.628	.657	.738	.758
M2_2	.595	1.000	.568	.638	.578	.640	.667	.626
M2_3	.602	.568	1.000	.629	.723	.555	.615	.634
M2_4	.755	.638	.629	1.000	.724	.675	.729	.726
M2_5	.628	.578	.723	.724	1.000	.593	.626	.618
M2_6	.657	.640	.555	.675	.593	1.000	.811	.800
M2_7	.738	.667	.615	.729	.626	.811	1.000	.874
M2_8	.758	.626	.634	.726	.618	.800	.874	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.641	1.702	5.186	3.484	3.047	1.610	8

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M2_1	19.36	32.798	.794	.674	.885
M2_2	19.43	32.891	.715	.530	.888
M2_3	19.26	34.512	.691	.591	.895
M2_4	19.31	33.175	.805	.711	.887
M2_5	19.25	34.581	.715	.649	.895
M2_6	17.75	25.555	.829	.709	.871
M2_7	15.94	20.176	.889	.816	.890
M2_8	17.61	26.045	.889	.816	.863

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
21.13	38.578	6.211	8

**ALL GRADES: Task 3 – Identify Shapes**

**Case Processing Summary**

		N	%
Cases	Valid	421	77.1
	Excluded(a)	125	22.9
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.736	.734	8

**Item Statistics**

	Mean	Std. Deviation	N
M3_1	.14	.350	421
M3_2	.70	.457	421
M3_3	.51	.500	421
M3_4	.80	.404	421
M3_5	.93	.261	421
M3_6	.49	.500	421
M3_7	.75	.436	421
M3_8	.20	.404	421

**Inter-Item Correlation Matrix**

	M3_1	M3_2	M3_3	M3_4	M3_5	M3_6	M3_7	M3_8
M3_1	1.000	.191	.236	.139	.063	.228	.144	.451
M3_2	.191	1.000	.300	.328	.235	.238	.456	.097
M3_3	.236	.300	1.000	.294	.197	.602	.334	.178
M3_4	.139	.328	.294	1.000	.399	.305	.354	.111
M3_5	.063	.235	.197	.399	1.000	.220	.379	.075
M3_6	.228	.238	.602	.305	.220	1.000	.318	.190
M3_7	.144	.456	.334	.354	.379	.318	1.000	.120
M3_8	.451	.097	.178	.111	.075	.190	.120	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.564	.143	.926	.784	6.500	.079	8

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M3_1	4.37	3.411	.345	.244	.724
M3_2	3.81	3.067	.439	.264	.707
M3_3	4.00	2.819	.541	.406	.684
M3_4	3.72	3.169	.450	.264	.705
M3_5	3.59	3.547	.369	.227	.723
M3_6	4.03	2.842	.525	.397	.688
M3_7	3.77	3.025	.504	.331	.694
M3_8	4.31	3.410	.272	.214	.738

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
4.52	3.979	1.995	8

**ALL GRADES: Task 4 – Write Numerals**

**Case Processing Summary**

		N	%
Cases	Valid	381	69.8
	Excluded(a)	165	30.2
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.909	.942	10

**Item Statistics**

	Mean	Std. Deviation	N
M4_1	4.70	2.215	381
M4_2	1.81	.566	381
M4_3	4.50	2.244	381
M4_4	4.44	2.384	381
M4_5	1.75	.623	381
M4_6	4.50	2.367	381
M4_7	1.79	.579	381
M4_8	4.42	2.382	381
M4_9	1.71	.668	381
M4_10	4.56	2.265	381

**Inter-Item Correlation Matrix**

	M4_1	M4_2	M4_3	M4_4	M4_5	M4_6	M4_7	M4_8	M4_9	M4_10
M4_1	1.000	.600	.816	.617	.621	.664	.571	.681	.549	.690
M4_2	.600	1.000	.566	.538	.721	.552	.767	.453	.653	.517
M4_3	.816	.566	1.000	.635	.591	.716	.558	.696	.620	.716
M4_4	.617	.538	.635	1.000	.507	.660	.504	.607	.576	.599
M4_5	.621	.721	.591	.507	1.000	.516	.724	.513	.631	.499
M4_6	.664	.552	.716	.660	.516	1.000	.541	.720	.629	.719
M4_7	.571	.767	.558	.504	.724	.541	1.000	.549	.688	.540
M4_8	.681	.453	.696	.607	.513	.720	.549	1.000	.615	.763
M4_9	.549	.653	.620	.576	.631	.629	.688	.615	1.000	.606
M4_10	.690	.517	.716	.599	.499	.719	.540	.763	.606	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.418	1.714	4.698	2.984	2.741	2.031	10

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M4_1	29.49	136.966	.810	.734	.890
M4_2	32.38	173.646	.665	.695	.910
M4_3	29.68	135.217	.836	.746	.888
M4_4	29.74	137.881	.720	.534	.898
M4_5	32.43	172.625	.665	.636	.909
M4_6	29.69	133.963	.809	.671	.891
M4_7	32.39	173.281	.674	.693	.910
M4_8	29.76	134.103	.799	.696	.891
M4_9	32.47	170.781	.725	.628	.907
M4_10	29.62	136.157	.806	.682	.890

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
34.18	183.887	13.561	10

**ALL GRADES: Task 5 – Manipulate Mathematical Concepts- Discriminate Differences**

**Case Processing Summary**

		N	%
Cases	Valid	420	76.9
	Excluded(a)	126	23.1
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.788	.790	4

**Item Statistics**

	Mean	Std. Deviation	N
M5_1	.78	.417	420
M5_2	.78	.412	420
M5_3	.63	.484	420
M5_4	.63	.483	420

**Inter-Item Correlation Matrix**

	M5_1	M5_2	M5_3	M5_4
M5_1	1.000	.494	.498	.489
M5_2	.494	1.000	.385	.496
M5_3	.498	.385	1.000	.546
M5_4	.489	.496	.546	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.705	.629	.783	.155	1.246	.008	4

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M5_1	2.04	1.244	.610	.377	.731
M5_2	2.04	1.295	.556	.332	.757
M5_3	2.19	1.143	.589	.370	.742
M5_4	2.19	1.103	.640	.415	.714

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.82	1.986	1.409	4

**ALL GRADES: Task 6 – Manipulate Mathematical Concepts- Measurement (size)**

**Case Processing Summary**

		N	%
Cases	Valid	415	76.0
	Excluded(a)	131	24.0
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.799	.801	4

**Item Statistics**

	Mean	Std. Deviation	N
M6_1	.46	.499	415
M6_2	.76	.427	415
M6_3	.59	.492	415
M6_4	.67	.471	415

**Inter-Item Correlation Matrix**

	M6_1	M6_2	M6_3	M6_4
M6_1	1.000	.372	.478	.436
M6_2	.372	1.000	.557	.557
M6_3	.478	.557	1.000	.614
M6_4	.436	.557	.614	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.621	.463	.761	.299	1.646	.016	4

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M6_1	2.02	1.388	.509	.266	.802
M6_2	1.72	1.438	.602	.389	.756
M6_3	1.89	1.240	.687	.481	.710
M6_4	1.81	1.301	.664	.459	.723

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.48	2.236	1.495	4

**ALL GRADES: Task 7 – Identify Money**

**Case Processing Summary**

		N	%
Cases	Valid	394	72.2
	Excluded(a)	152	27.8
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.818	.857	9

**Item Statistics**

	Mean	Std. Deviation	N
M7_1	.86	.344	394
M7_2	.71	.454	394
M7_3	.74	.437	394
M7_4	.77	.420	394
M7_5	.84	.367	394
M7_6	.79	.406	394
M7_7	.82	.383	394
M7_8	.76	.425	394
M7_9	1.10	.956	394

**Inter-Item Correlation Matrix**

	M7_1	M7_2	M7_3	M7_4	M7_5	M7_6	M7_7	M7_8	M7_9
M7_1	1.000	.348	.459	.469	.390	.359	.355	.335	.304
M7_2	.348	1.000	.689	.533	.241	.252	.187	.278	.265
M7_3	.459	.689	1.000	.511	.299	.272	.244	.276	.298
M7_4	.469	.533	.511	1.000	.323	.272	.237	.296	.284
M7_5	.390	.241	.299	.323	1.000	.697	.594	.589	.401
M7_6	.359	.252	.272	.272	.697	1.000	.727	.716	.413
M7_7	.355	.187	.244	.237	.594	.727	1.000	.664	.382
M7_8	.335	.278	.276	.296	.589	.716	.664	1.000	.458
M7_9	.304	.265	.298	.284	.401	.413	.382	.458	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.823	.711	1.099	.388	1.546	.013	9

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M7_1	6.54	7.088	.531	.348	.802
M7_2	6.70	6.813	.490	.529	.803
M7_3	6.66	6.764	.539	.544	.798
M7_4	6.63	6.874	.513	.400	.801
M7_5	6.57	6.832	.633	.538	.792
M7_6	6.61	6.629	.662	.686	.786
M7_7	6.58	6.829	.603	.586	.794
M7_8	6.64	6.566	.658	.590	.786
M7_9	6.31	5.104	.501	.270	.847

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
7.41	8.181	2.860	9

**ALL GRADES: Task 8 – Measurement (Time of Day)**

**Case Processing Summary**

		N	%
Cases	Valid	410	75.1
	Excluded(a)	136	24.9
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.791	.791	3

**Item Statistics**

	Mean	Std. Deviation	N
M8_1	.66	.475	410
M8_2	.66	.473	410
M8_3	.64	.480	410

**Inter-Item Correlation Matrix**

	M8_1	M8_2	M8_3
M8_1	1.000	.488	.566
M8_2	.488	1.000	.619
M8_3	.566	.619	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.654	.641	.663	.022	1.034	.000	3

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M8_1	1.30	.736	.586	.352	.765
M8_2	1.30	.714	.626	.411	.723
M8_3	1.32	.669	.687	.475	.656

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
1.96	1.439	1.199	3

**ALL GRADES: Task 9 – Number Line**

**Case Processing Summary**

		N	%
Cases	Valid	388	71.1
	Excluded(a)	158	28.9
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.806	.807	5

**Item Statistics**

	Mean	Std. Deviation	N
M9_1	.72	.451	388
M9_2	.49	.501	388
M9_3	.65	.478	388
M9_4	.65	.477	388
M9_5	.61	.489	388

**Inter-Item Correlation Matrix**

	M9_1	M9_2	M9_3	M9_4	M9_5
M9_1	1.000	.399	.437	.537	.499
M9_2	.399	1.000	.352	.380	.411
M9_3	.437	.352	1.000	.473	.391
M9_4	.537	.380	.473	1.000	.684
M9_5	.499	.411	.391	.684	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.623	.490	.716	.227	1.463	.007	5

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M9_1	2.40	2.214	.611	.377	.764
M9_2	2.62	2.256	.486	.242	.802
M9_3	2.46	2.255	.526	.290	.789
M9_4	2.46	2.063	.691	.546	.738
M9_5	2.51	2.075	.655	.509	.749

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
3.11	3.238	1.799	5

**ALL GRADES: Task 10 – Tell Time**

**Case Processing Summary**

		N	%
Cases	Valid	350	64.1
	Excluded(a)	196	35.9
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.812	.816	4

**Item Statistics**

	Mean	Std. Deviation	N
M10_1	1.49	1.330	350
M10_2	1.40	1.309	350
M10_3	2.48	1.037	350
M10_4	2.53	1.012	350

**Inter-Item Correlation Matrix**

	M10_1	M10_2	M10_3	M10_4
M10_1	1.000	.799	.431	.402
M10_2	.799	1.000	.389	.385
M10_3	.431	.389	1.000	.747
M10_4	.402	.385	.747	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	1.975	1.400	2.529	1.129	1.806	.377	4

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M10_1	6.41	7.458	.695	.656	.733
M10_2	6.50	7.706	.669	.644	.747
M10_3	5.42	9.390	.600	.579	.780
M10_4	5.37	9.587	.586	.569	.787

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
7.90	14.279	3.779	4

**ALL GRADES: Task 11 – Order Numbers**

This task has only 1 item so no statistics can be computed.

**ALL GRADES: Task 12 – Manipulate Mathematical Concepts- Ordinal Numbers**

**Case Processing Summary**

		N	%
Cases	Valid	354	64.8
	Excluded(a)	192	35.2
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.736	.736	2

**Item Statistics**

	Mean	Std. Deviation	N
M12_1	.61	.488	354
M12_2	.59	.492	354

**Inter-Item Correlation Matrix**

	M12_1	M12_2
M12_1	1.000	.582
M12_2	.582	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.603	.593	.613	.020	1.033	.000	2

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M12_1	.59	.242	.582	.338	.(a)
M12_2	.61	.238	.582	.338	.(a)

a The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
1.21	.759	.871	2

**ALL GRADES: Task 13 – Calendar**

**Case Processing Summary**

		N	%
Cases	Valid	336	61.5
	Excluded(a)	210	38.5
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.773	.773	5

**Item Statistics**

	Mean	Std. Deviation	N
M13_1	.82	.381	336
M13_2	.42	.495	336
M13_3	.41	.493	336
M13_4	.60	.492	336
M13_5	.49	.501	336

**Inter-Item Correlation Matrix**

	M13_1	M13_2	M13_3	M13_4	M13_5
M13_1	1.000	.363	.292	.416	.357
M13_2	.363	1.000	.382	.448	.454
M13_3	.292	.382	1.000	.459	.316
M13_4	.416	.448	.459	1.000	.563
M13_5	.357	.454	.316	.563	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.549	.414	.824	.411	1.993	.029	5

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M13_1	1.92	2.265	.470	.227	.756
M13_2	2.32	1.938	.556	.312	.727
M13_3	2.33	2.031	.480	.255	.754
M13_4	2.15	1.835	.656	.446	.691
M13_5	2.26	1.904	.575	.376	.721

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.74	2.949	1.717	5

**ALL GRADES: Task 14 – Manipulate Mathematical Concepts – Take Away**

**Case Processing Summary**

		N	%
Cases	Valid	337	61.7
	Excluded(a)	209	38.3
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.715	.740	7

**Item Statistics**

	Mean	Std. Deviation	N
M14_1	.97	.178	337
M14_2	.85	.356	337
M14_3	.88	.324	337
M14_4	.96	.193	337
M14_5	.86	.350	337
M14_6	.86	.350	337
M14_7	.59	.492	337

**Inter-Item Correlation Matrix**

	M14_1	M14_2	M14_3	M14_4	M14_5	M14_6	M14_7
M14_1	1.000	.299	.346	.310	.212	.307	.187
M14_2	.299	1.000	.415	.220	.260	.331	.230
M14_3	.346	.415	1.000	.165	.244	.349	.198
M14_4	.310	.220	.165	1.000	.359	.271	.178
M14_5	.212	.260	.244	.359	1.000	.466	.369
M14_6	.307	.331	.349	.271	.466	1.000	.351
M14_7	.187	.230	.198	.178	.369	.351	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.852	.591	.967	.377	1.638	.016	7

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M14_1	5.00	1.810	.410	.219	.698
M14_2	5.12	1.519	.446	.243	.678
M14_3	5.09	1.579	.435	.260	.681
M14_4	5.01	1.809	.368	.195	.702
M14_5	5.11	1.479	.512	.319	.660
M14_6	5.11	1.443	.561	.332	.647
M14_7	5.38	1.337	.403	.188	.710

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
5.97	2.038	1.427	7

**ALL GRADES: Task 15 – Manipulate Mathematical Concepts – Quantity**

**Case Processing Summary**

		N	%
Cases	Valid	338	61.9
	Excluded(a)	208	38.1
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.748	.745	4

**Item Statistics**

	Mean	Std. Deviation	N
M15_1	.84	.364	338
M15_2	.54	.499	338
M15_3	.45	.498	338
M15_4	.66	.473	338

**Inter-Item Correlation Matrix**

	M15_1	M15_2	M15_3	M15_4
M15_1	1.000	.349	.245	.398
M15_2	.349	1.000	.537	.477
M15_3	.245	.537	1.000	.523
M15_4	.398	.477	.523	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.624	.453	.843	.391	1.863	.029	4

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M15_1	1.65	1.462	.401	.192	.759
M15_2	1.96	1.078	.598	.366	.658
M15_3	2.04	1.096	.578	.381	.670
M15_4	1.83	1.114	.610	.378	.651

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.49	1.948	1.396	4

**ALL GRADES: Task 16 – Manipulate Mathematical Concepts – Fractions**

**Case Processing Summary**

		N	%
Cases	Valid	285	52.2
	Excluded(a)	261	47.8
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.620	.628	5

**Item Statistics**

	Mean	Std. Deviation	N
M16_1	.75	.431	285
M16_2	.23	.420	285
M16_3	.55	.498	285
M16_4	.45	.498	285
M16_5	.15	.362	285

**Inter-Item Correlation Matrix**

	M16_1	M16_2	M16_3	M16_4	M16_5
M16_1	1.000	.077	.304	.204	.131
M16_2	.077	1.000	.239	.350	.462
M16_3	.304	.239	1.000	.191	.191
M16_4	.204	.350	.191	1.000	.376
M16_5	.131	.462	.191	.376	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.427	.154	.754	.600	4.886	.059	5

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M16_1	1.38	1.491	.273	.118	.614
M16_2	1.91	1.372	.421	.269	.543
M16_3	1.59	1.321	.344	.145	.584
M16_4	1.69	1.251	.417	.206	.542
M16_5	1.98	1.447	.443	.270	.542

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.14	1.964	1.401	5

**ALL GRADES: Task 17 – Count Money**

**Case Processing Summary**

		N	%
Cases	Valid	277	50.7
	Excluded(a)	269	49.3
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.881	.882	5

**Item Statistics**

	Mean	Std. Deviation	N
M17_1	1.18	.934	277
M17_2	.93	.934	277
M17_3	1.05	.905	277
M17_4	.73	.848	277
M17_5	.63	.484	277

**Inter-Item Correlation Matrix**

	M17_1	M17_2	M17_3	M17_4	M17_5
M17_1	1.000	.713	.695	.624	.477
M17_2	.713	1.000	.716	.661	.469
M17_3	.695	.716	1.000	.717	.468
M17_4	.624	.661	.717	1.000	.442
M17_5	.477	.469	.468	.442	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.904	.628	1.181	.552	1.879	.052	5

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M17_1	3.34	7.203	.766	.596	.844
M17_2	3.59	7.119	.788	.627	.838
M17_3	3.47	7.199	.803	.653	.833
M17_4	3.79	7.695	.744	.572	.848
M17_5	3.89	10.053	.531	.283	.898

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
4.52	11.917	3.452	5

**ALL GRADES: Task 18 – Manipulate Mathematical Concepts- Place Value**

**Case Processing Summary**

		N	%
Cases	Valid	281	51.5
	Excluded(a)	265	48.5
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.652	.650	4

**Item Statistics**

	Mean	Std. Deviation	N
M18_1	.45	.499	281
M18_2	.44	.497	281
M18_3	.46	.499	281
M18_4	.67	.470	281

**Inter-Item Correlation Matrix**

	M18_1	M18_2	M18_3	M18_4
M18_1	1.000	.374	.419	.207
M18_2	.374	1.000	.397	.269
M18_3	.419	.397	1.000	.237
M18_4	.207	.269	.237	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.507	.441	.673	.231	1.524	.012	4

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M18_1	1.58	1.152	.459	.231	.565
M18_2	1.59	1.136	.480	.233	.551
M18_3	1.57	1.125	.488	.253	.544
M18_4	1.36	1.337	.307	.098	.664

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
2.03	1.892	1.376	4

**ALL GRADES: Task 19 – Count on Dictation**

**Case Processing Summary**

		N	%
Cases	Valid	289	52.9
	Excluded(a)	257	47.1
	Total	546	100.0

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.686	.747	3

**Item Statistics**

	Mean	Std. Deviation	N
M19_1	8.17	2.275	289
M19_2	5.10	3.461	289
M19_3	2.96	1.517	289

**Inter-Item Correlation Matrix**

	M19_1	M19_2	M19_3
M19_1	1.000	.465	.457
M19_2	.465	1.000	.565
M19_3	.457	.565	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	5.409	2.962	8.166	5.204	2.757	6.842	3

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M19_1	8.06	20.211	.512	.272	.587
M19_2	11.13	10.626	.588	.373	.593
M19_3	13.27	24.481	.605	.367	.599

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
16.23	35.864	5.989	3

**ALL GRADES: Task 20 – Computation – Addition Facts**

**ALL GRADES: Task 21 – Computation – Subtraction Facts**

**ALL GRADES: Task 22 – Mixed Computation – Addition and Subtraction**

*No Individual Items were Recorded for Tasks 20-22*

**Correlations**

		M20_CDM	M20_TCD	M21_CDM	M21_TCD	M22_TCD
M20_CDM	Pearson Correlation	1	.670(**)	.761(**)	.429(**)	.629(**)
	Sig. (2-tailed)		.000	.000	.000	.000
	N	278	278	270	270	252
M20_TCD	Pearson Correlation	.670(**)	1	.611(**)	.691(**)	.723(**)
	Sig. (2-tailed)	.000		.000	.000	.000
	N	278	278	270	270	252
M21_CDM	Pearson Correlation	.761(**)	.611(**)	1	.594(**)	.732(**)
	Sig. (2-tailed)	.000	.000		.000	.000
	N	270	270	272	272	251
M21_TCD	Pearson Correlation	.429(**)	.691(**)	.594(**)	1	.667(**)
	Sig. (2-tailed)	.000	.000	.000		.000
	N	270	270	272	272	251
M22_TCD	Pearson Correlation	.629(**)	.723(**)	.732(**)	.667(**)	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	252	252	251	251	255

\*\* Correlation is significant at the 0.01 level (2-tailed).

**Grade Band = 34**

**Descriptive Statistics(a)**

	N	Minimum	Maximum	Mean	Std. Deviation
M1Tot	127	.00	8.00	5.3858	3.39478
M2Tot	127	.00	24.00	14.0630	10.57231
M3Tot	127	.00	8.00	3.2283	2.69388
M4Tot	127	.00	44.00	17.6220	18.30731
M5Tot	127	.00	4.00	1.7244	1.68409
M6Tot	127	.00	4.00	1.4646	1.61734
M7Tot	127	.00	10.00	3.8583	3.94551
M8Tot	127	.00	3.00	1.0866	1.23458
M9Tot	127	.00	5.00	1.4409	1.87994
M10Tot	127	.00	12.00	3.1496	4.02192
M11Tot	127	.00	5.00	1.6693	2.27845
M12Tot	127	.00	2.00	.6063	.85595
M13Tot	127	.00	5.00	1.0000	1.54303
M14Tot	127	.00	7.00	2.8268	3.08116
M15Tot	127	.00	4.00	1.0709	1.48100
M16Tot	127	.00	5.00	.6614	1.08540
M17Tot	127	.00	9.00	1.0866	2.27137
M18Tot	127	.00	4.00	.7008	1.21050
M19Tot	127	.00	22.00	5.4882	7.98000
M20_CDM	47	0	19	4.72	4.776
M20_TCD	47	0	32	13.38	10.555
M21_CDM	48	0	14	2.96	3.377
M21_TCD	48	0	20	8.02	6.920
M22_TCD	44	0	17	4.32	4.940
Valid N (listwise)	41				

a Grade Band = 34

**Grade Band = 34: Task 1 – Identify Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	100	78.7
	Excluded(a)	27	21.3
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.899	.901	8

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M1_1	.84	.368	100
M1_2	.81	.394	100
M1_3	.93	.256	100
M1_4	.92	.273	100
M1_5	.81	.394	100
M1_6	.83	.378	100
M1_7	.85	.359	100
M1_8	.85	.359	100

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M1_1	M1_2	M1_3	M1_4	M1_5	M1_6	M1_7	M1_8
M1_1	1.000	.623	.308	.374	.693	.529	.581	.733
M1_2	.623	1.000	.367	.421	.415	.595	.582	.725
M1_3	.308	.367	1.000	.786	.367	.398	.543	.434
M1_4	.374	.421	.786	1.000	.421	.553	.599	.496
M1_5	.693	.415	.367	.421	1.000	.527	.439	.510
M1_6	.529	.595	.398	.553	.527	1.000	.555	.555
M1_7	.581	.582	.543	.599	.439	.555	1.000	.765
M1_8	.733	.725	.434	.496	.510	.555	.765	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.855	.810	.930	.120	1.148	.002	8

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1_1	6.00	3.475	.735	.695	.881
M1_2	6.03	3.444	.698	.596	.885
M1_3	5.91	3.982	.560	.638	.897
M1_4	5.92	3.852	.649	.699	.890
M1_5	6.03	3.545	.620	.547	.893
M1_6	6.01	3.505	.688	.532	.886
M1_7	5.99	3.485	.752	.661	.879
M1_8	5.99	3.424	.804	.756	.874

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
6.84	4.621	2.150	8

a Grade Band = 34

**Grade Band = 34: Task 2 – Identify/Copy Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	87	68.5
	Excluded(a)	40	31.5
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.887	.930	8

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M2_1	1.56	.773	87
M2_2	1.56	.727	87
M2_3	1.82	.561	87
M2_4	1.71	.663	87
M2_5	1.85	.495	87
M2_6	3.05	1.562	87
M2_7	4.62	2.279	87
M2_8	3.16	1.547	87

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M2_1	M2_2	M2_3	M2_4	M2_5	M2_6	M2_7	M2_8
M2_1	1.000	.671	.537	.682	.496	.566	.677	.721
M2_2	.671	1.000	.571	.726	.528	.612	.728	.684
M2_3	.537	.571	1.000	.482	.570	.567	.600	.611
M2_4	.682	.726	.482	1.000	.576	.630	.658	.669
M2_5	.496	.528	.570	.576	1.000	.536	.516	.472
M2_6	.566	.612	.567	.630	.536	1.000	.773	.728
M2_7	.677	.728	.600	.658	.516	.773	1.000	.908
M2_8	.721	.684	.611	.669	.472	.728	.908	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.417	1.563	4.621	3.057	2.956	1.206	8

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M2_1	17.77	45.877	.742	.616	.873
M2_2	17.77	46.086	.774	.665	.872
M2_3	17.52	48.741	.663	.506	.883
M2_4	17.62	47.006	.748	.657	.876
M2_5	17.48	49.834	.597	.471	.888
M2_6	16.29	36.905	.785	.643	.860
M2_7	14.71	27.672	.892	.866	.873
M2_8	16.17	35.516	.886	.856	.846

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
19.33	54.248	7.365	8

a Grade Band = 34

**Grade Band = 34: Task 3 – Identify Shapes**

**Case Processing Summary(b)**

		N	%
Cases	Valid	93	73.2
	Excluded(a)	34	26.8
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.780	.777	8

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M3_1	.18	.389	93
M3_2	.70	.461	93
M3_3	.49	.503	93
M3_4	.74	.440	93
M3_5	.91	.282	93
M3_6	.47	.502	93
M3_7	.70	.461	93
M3_8	.19	.397	93

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M3_1	M3_2	M3_3	M3_4	M3_5	M3_6	M3_7	M3_8
M3_1	1.000	.189	.367	.152	.046	.388	.189	.684
M3_2	.189	1.000	.321	.416	.217	.293	.540	.203
M3_3	.367	.321	1.000	.338	.150	.527	.368	.332
M3_4	.152	.416	.338	1.000	.520	.264	.256	.102
M3_5	.046	.217	.150	.520	1.000	.291	.300	.053
M3_6	.388	.293	.527	.264	.291	1.000	.387	.353
M3_7	.189	.540	.368	.256	.300	.387	1.000	.262
M3_8	.684	.203	.332	.102	.053	.353	.262	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.550	.183	.914	.731	5.000	.069	8

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M3_1	4.22	3.910	.458	.506	.761
M3_2	3.70	3.669	.499	.388	.754
M3_3	3.90	3.458	.563	.383	.742
M3_4	3.66	3.815	.439	.414	.764
M3_5	3.48	4.274	.352	.347	.776
M3_6	3.92	3.440	.576	.392	.739
M3_7	3.70	3.626	.527	.398	.749
M3_8	4.20	3.903	.448	.492	.762

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
4.40	4.764	2.183	8

a Grade Band = 34

**Grade Band = 34: Task 4 – Write Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	78	61.4
	Excluded(a)	49	38.6
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.908	.942	10

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M4_1	3.97	2.460	78
M4_2	1.68	.730	78
M4_3	3.63	2.407	78
M4_4	3.50	2.676	78
M4_5	1.49	.802	78
M4_6	3.64	2.773	78
M4_7	1.63	.740	78
M4_8	3.41	2.803	78
M4_9	1.47	.849	78
M4_10	3.74	2.550	78

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M4_1	M4_2	M4_3	M4_4	M4_5	M4_6	M4_7	M4_8	M4_9	M4_10
M4_1	1.000	.683	.724	.531	.718	.692	.629	.597	.566	.500
M4_2	.683	1.000	.582	.555	.759	.533	.810	.465	.626	.500
M4_3	.724	.582	1.000	.580	.654	.754	.606	.623	.679	.659
M4_4	.531	.555	.580	1.000	.515	.602	.501	.609	.540	.561
M4_5	.718	.759	.654	.515	1.000	.477	.747	.517	.668	.405
M4_6	.692	.533	.754	.602	.477	1.000	.554	.744	.686	.777
M4_7	.629	.810	.606	.501	.747	.554	1.000	.581	.760	.533
M4_8	.597	.465	.623	.609	.517	.744	.581	1.000	.665	.776
M4_9	.566	.626	.679	.540	.668	.686	.760	.665	1.000	.693
M4_10	.500	.500	.659	.561	.405	.777	.533	.776	.693	1.000

a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.817	1.474	3.974	2.500	2.696	1.181	10

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M4_1	24.19	182.599	.744	.731	.894
M4_2	26.49	222.435	.695	.778	.908
M4_3	24.54	180.174	.806	.718	.890
M4_4	24.67	181.913	.679	.501	.900
M4_5	26.68	221.104	.685	.761	.907
M4_6	24.53	169.629	.841	.785	.887
M4_7	26.54	221.680	.719	.783	.907
M4_8	24.76	171.979	.792	.736	.892
M4_9	26.69	217.748	.783	.745	.904
M4_10	24.42	178.949	.771	.759	.892

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
28.17	238.089	15.430	10

a Grade Band = 34

**Grade Band = 34: Task 5 – Manipulate Mathematical Concepts – Discriminate Differences**

**Case Processing Summary(b)**

		N	%
Cases	Valid	97	76.4
	Excluded(a)	30	23.6
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.815	.815	4

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M5_1	.62	.488	97
M5_2	.63	.486	97
M5_3	.56	.499	97
M5_4	.45	.500	97

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M5_1	M5_2	M5_3	M5_4
M5_1	1.000	.539	.538	.460
M5_2	.539	1.000	.474	.529
M5_3	.538	.474	1.000	.605
M5_4	.460	.529	.605	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.564	.454	.629	.175	1.386	.006	4

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M5_1	1.64	1.525	.616	.397	.776
M5_2	1.63	1.527	.619	.396	.775
M5_3	1.70	1.462	.658	.457	.756
M5_4	1.80	1.472	.645	.444	.762

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.26	2.506	1.583	4

a Grade Band = 34

**Grade Band = 34: Task 6 – Manipulate Mathematical Concepts – Measurement (Size)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	91	71.7
	Excluded(a)	36	28.3
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.813	.812	4

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M6_1	.34	.477	91
M6_2	.64	.483	91
M6_3	.51	.503	91
M6_4	.56	.499	91

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M6_1	M6_2	M6_3	M6_4
M6_1	1.000	.446	.433	.496
M6_2	.446	1.000	.625	.575
M6_3	.433	.625	1.000	.541
M6_4	.496	.575	.541	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.511	.341	.637	.297	1.871	.016	4

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M6_1	1.70	1.589	.540	.299	.806
M6_2	1.41	1.444	.677	.481	.743
M6_3	1.54	1.429	.651	.451	.755
M6_4	1.48	1.430	.658	.434	.752

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.04	2.465	1.570	4

a Grade Band = 34

**Grade Band = 34: Task 7 – Identify Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	77	60.6
	Excluded(a)	50	39.4
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.853	.873	9

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M7_1	.78	.417	77
M7_2	.68	.471	77
M7_3	.65	.480	77
M7_4	.65	.480	77
M7_5	.68	.471	77
M7_6	.60	.494	77
M7_7	.70	.461	77
M7_8	.55	.501	77
M7_9	.81	.960	77

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M7_1	M7_2	M7_3	M7_4	M7_5	M7_6	M7_7	M7_8	M7_9
M7_1	1.000	.500	.528	.724	.366	.329	.337	.332	.384
M7_2	.500	1.000	.653	.537	.171	.279	.214	.314	.411
M7_3	.528	.653	1.000	.601	.304	.340	.293	.368	.506
M7_4	.724	.537	.601	1.000	.304	.285	.175	.313	.363
M7_5	.366	.171	.304	.304	1.000	.732	.517	.704	.411
M7_6	.329	.279	.340	.285	.732	1.000	.679	.793	.443
M7_7	.337	.214	.293	.175	.517	.679	1.000	.658	.313
M7_8	.332	.314	.368	.313	.704	.793	.658	1.000	.442
M7_9	.384	.411	.506	.363	.411	.443	.313	.442	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.675	.545	.805	.260	1.476	.007	9

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M7_1	5.30	9.475	.605	.599	.837
M7_2	5.40	9.428	.537	.500	.841
M7_3	5.43	9.117	.640	.567	.832
M7_4	5.43	9.327	.561	.620	.839
M7_5	5.40	9.217	.617	.613	.834
M7_6	5.48	8.937	.686	.729	.828
M7_7	5.38	9.448	.545	.543	.841
M7_8	5.53	8.884	.693	.702	.827
M7_9	5.27	7.306	.573	.365	.863

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
6.08	11.204	3.347	9

a Grade Band = 34

**Grade Band = 34: Task 8 – Measurement (Time of Day)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	91	71.7
	Excluded(a)	36	28.3
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.729	.729	3

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M8_1	.51	.503	91
M8_2	.49	.503	91
M8_3	.52	.502	91

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M8_1	M8_2	M8_3
M8_1	1.000	.407	.406
M8_2	.407	1.000	.605
M8_3	.406	.605	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.505	.495	.516	.022	1.044	.000	3

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M8_1	1.01	.811	.454	.206	.754
M8_2	1.02	.711	.603	.397	.578
M8_3	1.00	.711	.603	.397	.578

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.52	1.475	1.214	3

a Grade Band = 34

**Grade Band = 34: Task 9 – Number Line**

**Case Processing Summary(b)**

		N	%
Cases	Valid	77	60.6
	Excluded(a)	50	39.4
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.819	.819	5

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M9_1	.57	.498	77
M9_2	.40	.494	77
M9_3	.52	.503	77
M9_4	.43	.498	77
M9_5	.45	.501	77

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M9_1	M9_2	M9_3	M9_4	M9_5
M9_1	1.000	.390	.533	.538	.474
M9_2	.390	1.000	.472	.306	.367
M9_3	.533	.472	1.000	.518	.513
M9_4	.538	.306	.518	1.000	.632
M9_5	.474	.367	.513	.632	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.475	.403	.571	.169	1.419	.005	5

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M9_1	1.81	2.396	.624	.401	.779
M9_2	1.97	2.605	.476	.262	.821
M9_3	1.86	2.335	.663	.442	.767
M9_4	1.95	2.366	.648	.491	.772
M9_5	1.92	2.362	.644	.464	.773

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.38	3.606	1.899	5

a Grade Band = 34

**Grade Band = 34: Task 10 – Tell Time**

**Case Processing Summary(b)**

		N	%
Cases	Valid	64	50.4
	Excluded(a)	63	49.6
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.784	.783	4

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M10_1	.92	1.159	64
M10_2	.73	1.058	64
M10_3	2.20	1.198	64
M10_4	2.39	1.149	64

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M10_1	M10_2	M10_3	M10_4
M10_1	1.000	.643	.355	.333
M10_2	.643	1.000	.319	.283
M10_3	.355	.319	1.000	.910
M10_4	.333	.283	.910	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	1.563	.734	2.391	1.656	3.255	.731	4

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M10_1	5.33	7.875	.530	.440	.762
M10_2	5.52	8.476	.499	.424	.775
M10_3	4.05	6.934	.681	.833	.682
M10_4	3.86	7.266	.658	.829	.696

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
6.25	12.667	3.559	4

a Grade Band = 34

**ALL GRADES: Task 11 – Order Numbers**

This task has only 1 item so no statistics can be computed.

**Grade Band = 34: Task 12 – Manipulate Mathematical Concepts – Ordinal Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	65	51.2
	Excluded(a)	62	48.8
	Total	127	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.689	.689	2

a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M12_1	.62	.490	65
M12_2	.57	.499	65

a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M12_1	M12_2
M12_1	1.000	.526
M12_2	.526	1.000

a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.592	.569	.615	.046	1.081	.001	2

a Grade Band = 34

**Item-Total Statistics(b)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M12_1	.57	.249	.526	.276	.(a)
M12_2	.62	.240	.526	.276	.(a)

a The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

b Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.18	.747	.864	2

a Grade Band = 34

**Grade Band = 34: Task 13 - Calendar**

**Case Processing Summary(b)**

		N	%
Cases	Valid	59	46.5
	Excluded(a)	68	53.5
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.776	.774	5

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M13_1	.78	.418	59
M13_2	.29	.457	59
M13_3	.29	.457	59
M13_4	.39	.492	59
M13_5	.36	.483	59

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M13_1	M13_2	M13_3	M13_4	M13_5
M13_1	1.000	.338	.338	.341	.310
M13_2	.338	1.000	.422	.336	.465
M13_3	.338	.422	1.000	.566	.387
M13_4	.341	.336	.566	1.000	.567
M13_5	.310	.465	.387	.567	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.420	.288	.780	.492	2.706	.042	5

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M13_1	1.32	2.119	.430	.189	.772
M13_2	1.81	1.947	.518	.308	.745
M13_3	1.81	1.878	.583	.390	.724
M13_4	1.71	1.760	.624	.472	.708
M13_5	1.75	1.814	.592	.410	.720

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.10	2.817	1.678	5

a Grade Band = 34

**Grade Band = 34: Task 14 – Manipulate Mathematical Concepts – Take Away**

**Case Processing Summary(b)**

		N	%
Cases	Valid	63	49.6
	Excluded(a)	64	50.4
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.804	.817	7

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M14_1	.95	.215	63
M14_2	.84	.368	63
M14_3	.87	.336	63
M14_4	.92	.272	63
M14_5	.81	.396	63
M14_6	.78	.419	63
M14_7	.48	.503	63

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M14_1	M14_2	M14_3	M14_4	M14_5	M14_6	M14_7
M14_1	1.000	.311	.362	.486	.461	.418	.213
M14_2	.311	1.000	.617	.194	.564	.499	.414
M14_3	.362	.617	1.000	.241	.543	.255	.268
M14_4	.486	.194	.241	1.000	.456	.267	.280
M14_5	.461	.564	.543	.456	1.000	.519	.382
M14_6	.418	.499	.255	.267	.519	1.000	.433
M14_7	.213	.414	.268	.280	.382	.433	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.807	.476	.952	.476	2.000	.025	7

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M14_1	4.70	2.666	.511	.375	.791
M14_2	4.81	2.221	.649	.543	.758
M14_3	4.78	2.401	.534	.478	.779
M14_4	4.73	2.620	.426	.333	.797
M14_5	4.84	2.103	.705	.539	.745
M14_6	4.87	2.177	.580	.436	.771
M14_7	5.17	2.114	.479	.271	.802

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
5.65	3.070	1.752	7

a Grade Band = 34

**Grade Band = 34: Task 15 – Manipulate Mathematical Concepts - Quantity**

**Case Processing Summary(b)**

		N	%
Cases	Valid	62	48.8
	Excluded(a)	65	51.2
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.733	.724	4

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M15_1	.79	.410	62
M15_2	.52	.504	62
M15_3	.37	.487	62
M15_4	.52	.504	62

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M15_1	M15_2	M15_3	M15_4
M15_1	1.000	.453	.067	.294
M15_2	.453	1.000	.343	.613
M15_3	.067	.343	1.000	.610
M15_4	.294	.613	.610	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.548	.371	.790	.419	2.130	.031	4

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M15_1	1.40	1.523	.331	.221	.767
M15_2	1.68	1.107	.628	.456	.607
M15_3	1.82	1.296	.446	.386	.717
M15_4	1.68	1.042	.712	.561	.551

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.19	2.027	1.424	4

a Grade Band = 34

**Grade Band = 34: Task 16 – Manipulate Mathematical Concepts - Fractions**

**Case Processing Summary(b)**

		N	%
Cases	Valid	51	40.2
	Excluded(a)	76	59.8
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.545	.573	5

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M16_1	.73	.451	51
M16_2	.12	.325	51
M16_3	.53	.504	51
M16_4	.24	.428	51
M16_5	.02	.140	51

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M16_1	M16_2	M16_3	M16_4	M16_5
M16_1	1.000	.088	.300	.341	.087
M16_2	.088	1.000	.100	.084	.387
M16_3	.300	.100	1.000	.338	.133
M16_4	.341	.084	.338	1.000	.255
M16_5	.087	.387	.133	.255	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.325	.020	.725	.706	37.000	.087	5

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M16_1	.90	.850	.367	.158	.450
M16_2	1.51	1.135	.170	.156	.557
M16_3	1.10	.770	.378	.157	.447
M16_4	1.39	.843	.422	.219	.412
M16_5	1.61	1.243	.306	.201	.532

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.63	1.358	1.166	5

a Grade Band = 34

**Grade Band = 34: Task 17 – Count Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	48	37.8
	Excluded(a)	79	62.2
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.831	.829	5

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M17_1	.92	.919	48
M17_2	.50	.799	48
M17_3	.63	.866	48
M17_4	.31	.624	48
M17_5	.52	.505	48

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M17_1	M17_2	M17_3	M17_4	M17_5
M17_1	1.000	.667	.655	.492	.463
M17_2	.667	1.000	.554	.491	.343
M17_3	.655	.554	1.000	.615	.359
M17_4	.492	.491	.615	1.000	.283
M17_5	.463	.343	.359	.283	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.575	.313	.917	.604	2.933	.049	5

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M17_1	1.96	4.722	.755	.595	.759
M17_2	2.38	5.431	.674	.486	.784
M17_3	2.25	5.043	.717	.549	.771
M17_4	2.56	6.294	.605	.413	.806
M17_5	2.35	7.127	.444	.221	.843

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.88	8.580	2.929	5

a Grade Band = 34

**Grade Band = 34: Task 18 – Manipulate Mathematical Concepts – Place Value**

**Case Processing Summary(b)**

		N	%
Cases	Valid	50	39.4
	Excluded(a)	77	60.6
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.627	.628	4

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M18_1	.38	.490	50
M18_2	.40	.495	50
M18_3	.42	.499	50
M18_4	.56	.501	50

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M18_1	M18_2	M18_3	M18_4
M18_1	1.000	.370	.586	.196
M18_2	.370	1.000	.298	.148
M18_3	.586	.298	1.000	.183
M18_4	.196	.148	.183	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.440	.380	.560	.180	1.474	.007	4

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M18_1	1.38	1.057	.558	.390	.443
M18_2	1.36	1.215	.367	.152	.586
M18_3	1.34	1.086	.505	.355	.483
M18_4	1.20	1.347	.224	.051	.683

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.76	1.860	1.364	4

a Grade Band = 34

**Grade Band = 34: Task 19 – Count on Dictation**

**Case Processing Summary(b)**

		N	%
Cases	Valid	51	40.2
	Excluded(a)	76	59.8
	Total	127	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 34

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.709	.792	3

- a Grade Band = 34

**Item Statistics(a)**

	Mean	Std. Deviation	N
M19_1	7.35	3.224	51
M19_2	4.08	3.520	51
M19_3	2.24	1.305	51

- a Grade Band = 34

**Inter-Item Correlation Matrix(a)**

	M19_1	M19_2	M19_3
M19_1	1.000	.517	.541
M19_2	.517	1.000	.618
M19_3	.541	.618	1.000

- a Grade Band = 34

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	4.556	2.235	7.353	5.118	3.289	6.718	3

a Grade Band = 34

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M19_1	6.31	19.780	.568	.347	.575
M19_2	9.59	16.647	.607	.430	.547
M19_3	11.43	34.530	.667	.449	.680

a Grade Band = 34

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
13.67	46.467	6.817	3

a Grade Band = 34

**GRADES 3-4: Task 20 – Computation – Addition Facts**

**GRADES 3-4: Task 21 – Computation – Subtraction Facts**

**GRADES 3-4: Task 22 – Mixed Computation – Addition and Subtraction**

*No Individual Items were Recorded for Tasks 20-22*

**Correlations(a)**

		M20_CDM	M20_TCD	M21_CDM	M21_TCD	M22_TCD
M20_CDM	Pearson Correlation	1	.674(**)	.660(**)	.586(**)	.715(**)
	Sig. (2-tailed)		.000	.000	.000	.000
	N	47	47	46	46	42
M20_TCD	Pearson Correlation	.674(**)	1	.620(**)	.766(**)	.701(**)
	Sig. (2-tailed)	.000		.000	.000	.000
	N	47	47	46	46	42
M21_CDM	Pearson Correlation	.660(**)	.620(**)	1	.715(**)	.810(**)
	Sig. (2-tailed)	.000	.000		.000	.000
	N	46	46	48	48	43
M21_TCD	Pearson Correlation	.586(**)	.766(**)	.715(**)	1	.679(**)
	Sig. (2-tailed)	.000	.000	.000		.000
	N	46	46	48	48	43
M22_TCD	Pearson Correlation	.715(**)	.701(**)	.810(**)	.679(**)	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	42	42	43	43	44

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Grade Band = 34

**Grade Band = 56**

**Descriptive Statistics(a)**

	N	Minimum	Maximum	Mean	Std. Deviation
M1Tot	122	.00	8.00	6.0738	3.13911
M2Tot	122	.00	24.00	17.0574	9.76441
M3Tot	122	.00	8.00	3.5328	2.43997
M4Tot	122	.00	44.00	23.9918	18.69171
M5Tot	122	.00	4.00	2.2131	1.59664
M6Tot	122	.00	4.00	1.8689	1.57957
M7Tot	122	.00	10.00	5.3361	3.90298
M8Tot	122	.00	3.00	1.3279	1.28206
M9Tot	122	.00	5.00	2.1885	1.86898
M10Tot	122	.00	12.00	5.2049	4.57795
M11Tot	122	.00	5.00	2.2951	2.31663
M12Tot	122	.00	2.00	.7377	.87010
M13Tot	122	.00	5.00	1.4918	1.70680
M14Tot	122	.00	7.00	3.7623	2.94313
M15Tot	122	.00	4.00	1.3934	1.51879
M16Tot	122	.00	5.00	1.0082	1.32051
M17Tot	122	.00	9.00	1.8934	3.07162
M18Tot	122	.00	4.00	.9262	1.27382
M19Tot	122	.00	22.00	8.4262	8.80826
M20_CDM	61	0	28	8.20	7.169
M20_TCD	61	0	32	17.87	10.827
M21_CDM	58	0	19	4.66	4.707
M21_TCD	58	0	20	9.24	7.256
M22_TCD	47	0	17	7.26	5.435
Valid N (listwise)	46				

a Grade Band = 56

**Grade Band = 56: Task 1 – Identify Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	100	82.0
	Excluded(a)	22	18.0
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.901	.908	8

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M1_1	.96	.197	100
M1_2	.85	.359	100
M1_3	.92	.273	100
M1_4	.94	.239	100
M1_5	.92	.273	100
M1_6	.87	.338	100
M1_7	.91	.288	100
M1_8	.90	.302	100

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M1_1	M1_2	M1_3	M1_4	M1_5	M1_6	M1_7	M1_8
M1_1	1.000	.486	.316	.593	.504	.528	.649	.442
M1_2	.486	1.000	.392	.366	.496	.587	.553	.420
M1_3	.316	.392	1.000	.546	.864	.434	.680	.639
M1_4	.593	.366	.546	1.000	.702	.403	.656	.477
M1_5	.504	.496	.864	.702	1.000	.434	.680	.639
M1_6	.528	.587	.434	.403	.434	1.000	.606	.763
M1_7	.649	.553	.680	.656	.680	.606	1.000	.594
M1_8	.442	.420	.639	.477	.639	.763	.594	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.909	.850	.960	.110	1.129	.001	8

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1_1	6.31	2.681	.634	.597	.896
M1_2	6.42	2.347	.593	.502	.902
M1_3	6.35	2.452	.705	.833	.887
M1_4	6.33	2.567	.660	.612	.892
M1_5	6.35	2.391	.786	.864	.880
M1_6	6.40	2.303	.693	.736	.890
M1_7	6.36	2.334	.810	.728	.878
M1_8	6.37	2.357	.735	.732	.884

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.27	3.128	1.769	8

**Grade Band = 56: Task 2 – Identify/ Copy Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	99	81.1
	Excluded(a)	23	18.9
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.906	.942	8

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M2_1	1.73	.652	99
M2_2	1.55	.773	99
M2_3	1.87	.466	99
M2_4	1.73	.667	99
M2_5	1.84	.509	99
M2_6	3.21	1.486	99
M2_7	5.12	1.902	99
M2_8	3.43	1.295	99

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M2_1	M2_2	M2_3	M2_4	M2_5	M2_6	M2_7	M2_8
M2_1	1.000	.481	.586	.813	.727	.755	.842	.855
M2_2	.481	1.000	.427	.489	.537	.573	.642	.505
M2_3	.586	.427	1.000	.573	.769	.468	.594	.569
M2_4	.813	.489	.573	1.000	.710	.686	.838	.776
M2_5	.727	.537	.769	.710	1.000	.639	.768	.711
M2_6	.755	.573	.468	.686	.639	1.000	.832	.768
M2_7	.842	.642	.594	.838	.768	.832	1.000	.840
M2_8	.855	.505	.569	.776	.711	.768	.840	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.559	1.545	5.121	3.576	3.314	1.595	8

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M2_1	18.75	38.089	.873	.810	.890
M2_2	18.93	39.005	.615	.449	.902
M2_3	18.61	41.547	.628	.600	.907
M2_4	18.75	38.211	.834	.752	.892
M2_5	18.64	40.132	.798	.751	.900
M2_6	17.26	29.910	.825	.722	.884
M2_7	15.35	24.435	.930	.877	.888
M2_8	17.04	31.345	.863	.791	.877

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
20.47	45.538	6.748	8

a Grade Band = 56

**Grade Band = 56: Task 3 – Identify Shapes**

**Case Processing Summary(b)**

		N	%
Cases	Valid	96	78.7
	Excluded(a)	26	21.3
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.697	.690	8

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M3_1	.07	.261	96
M3_2	.73	.447	96
M3_3	.51	.503	96
M3_4	.79	.408	96
M3_5	.95	.223	96
M3_6	.48	.502	96
M3_7	.76	.429	96
M3_8	.18	.384	96

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M3_1	M3_2	M3_3	M3_4	M3_5	M3_6	M3_7	M3_8
M3_1	1.000	.081	.195	.045	.066	.212	.064	.395
M3_2	.081	1.000	.200	.207	.279	.209	.427	-.024
M3_3	.195	.200	1.000	.267	.239	.689	.378	.181
M3_4	.045	.207	.267	1.000	.226	.287	.313	.036
M3_5	.066	.279	.239	.226	1.000	.131	.418	-.014
M3_6	.212	.209	.689	.287	.131	1.000	.294	.156
M3_7	.064	.427	.378	.313	.418	.294	1.000	.133
M3_8	.395	-.024	.181	.036	-.014	.156	.133	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.559	.073	.948	.875	13.000	.095	8

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M3_1	4.40	3.084	.258	.191	.693
M3_2	3.74	2.700	.333	.217	.682
M3_3	3.96	2.251	.587	.521	.613
M3_4	3.68	2.747	.351	.154	.677
M3_5	3.52	3.073	.339	.215	.684
M3_6	3.99	2.305	.545	.500	.626
M3_7	3.71	2.504	.516	.369	.637
M3_8	4.29	2.988	.191	.194	.709

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
4.47	3.388	1.841	8

**Grade Band = 56: Task 4 – Write Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	89	73.0
	Excluded(a)	33	27.0
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.906	.942	10

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M4_1	4.52	2.336	89
M4_2	1.76	.584	89
M4_3	4.22	2.387	89
M4_4	3.89	2.617	89
M4_5	1.79	.593	89
M4_6	4.30	2.376	89
M4_7	1.75	.627	89
M4_8	4.10	2.316	89
M4_9	1.69	.701	89
M4_10	4.44	2.379	89

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M4_1	M4_2	M4_3	M4_4	M4_5	M4_6	M4_7	M4_8	M4_9	M4_10
M4_1	1.000	.573	.816	.595	.507	.676	.538	.692	.531	.736
M4_2	.573	1.000	.576	.443	.837	.650	.832	.589	.649	.639
M4_3	.816	.576	1.000	.630	.500	.747	.531	.734	.614	.709
M4_4	.595	.443	.630	1.000	.438	.619	.447	.570	.551	.472
M4_5	.507	.837	.500	.438	1.000	.587	.774	.496	.657	.534
M4_6	.676	.650	.747	.619	.587	1.000	.509	.721	.659	.656
M4_7	.538	.832	.531	.447	.774	.509	1.000	.565	.675	.569
M4_8	.692	.589	.734	.570	.496	.721	.565	1.000	.650	.780
M4_9	.531	.649	.614	.551	.657	.659	.675	.650	1.000	.643
M4_10	.736	.639	.709	.472	.534	.656	.569	.780	.643	1.000

a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.246	1.685	4.517	2.831	2.680	1.694	10

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M4_1	27.94	145.031	.815	.740	.886
M4_2	30.70	184.555	.720	.826	.906
M4_3	28.24	142.341	.848	.762	.884
M4_4	28.57	147.634	.658	.500	.901
M4_5	30.67	185.563	.644	.744	.907
M4_6	28.16	144.475	.809	.721	.887
M4_7	30.71	184.664	.661	.766	.907
M4_8	28.36	145.210	.819	.722	.886
M4_9	30.78	181.903	.737	.656	.904
M4_10	28.02	145.431	.788	.727	.888

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
32.46	196.319	14.011	10

a Grade Band = 56

**Grade Band = 56: Task 5 – Manipulate Mathematical Concepts- Discriminate Differences**

**Case Processing Summary(b)**

		N	%
Cases	Valid	97	79.5
	Excluded(a)	25	20.5
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.691	.687	4

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M5_1	.74	.440	97
M5_2	.78	.414	97
M5_3	.61	.491	97
M5_4	.60	.493	97

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M5_1	M5_2	M5_3	M5_4
M5_1	1.000	.263	.396	.382
M5_2	.263	1.000	.245	.335
M5_3	.396	.245	1.000	.505
M5_4	.382	.335	.505	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.683	.598	.784	.186	1.310	.009	4

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M5_1	1.99	1.135	.461	.216	.635
M5_2	1.95	1.258	.357	.136	.693
M5_3	2.12	1.005	.523	.306	.593
M5_4	2.13	.971	.562	.328	.565

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.73	1.761	1.327	4

**Grade Band = 56: Task 6 – Manipulate Mathematical Concepts- Measurement (size)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	98	80.3
	Excluded(a)	24	19.7
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.739	.740	4

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M6_1	.41	.494	98
M6_2	.72	.449	98
M6_3	.52	.502	98
M6_4	.64	.482	98

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M6_1	M6_2	M6_3	M6_4
M6_1	1.000	.326	.382	.229
M6_2	.326	1.000	.460	.494
M6_3	.382	.460	1.000	.606
M6_4	.229	.494	.606	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.574	.408	.724	.316	1.775	.019	4

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M6_1	1.89	1.400	.379	.178	.765
M6_2	1.57	1.320	.548	.311	.672
M6_3	1.78	1.145	.642	.445	.612
M6_4	1.65	1.239	.574	.428	.655

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.30	2.087	1.445	4

a Grade Band = 56

**Grade Band = 56: Task 7 – Identify Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	90	73.8
	Excluded(a)	32	26.2
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.748	.803	9

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M7_1	.88	.329	90
M7_2	.71	.456	90
M7_3	.73	.445	90
M7_4	.70	.461	90
M7_5	.86	.354	90
M7_6	.80	.402	90
M7_7	.79	.410	90
M7_8	.73	.445	90
M7_9	1.03	.953	90

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M7_1	M7_2	M7_3	M7_4	M7_5	M7_6	M7_7	M7_8	M7_9
M7_1	1.000	.361	.619	.422	.233	.237	.306	.159	.192
M7_2	.361	1.000	.724	.599	.226	.172	.151	.170	.100
M7_3	.619	.724	1.000	.537	.253	.138	.181	.148	.180
M7_4	.422	.599	.537	1.000	.214	.158	.196	.099	.125
M7_5	.233	.226	.253	.214	1.000	.585	.562	.253	.281
M7_6	.237	.172	.138	.158	.585	1.000	.830	.515	.252
M7_7	.306	.151	.181	.196	.562	.830	1.000	.488	.219
M7_8	.159	.170	.148	.099	.253	.515	.488	1.000	.339
M7_9	.192	.100	.180	.125	.281	.252	.219	.339	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.804	.700	1.033	.333	1.476	.011	9

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M7_1	6.36	5.940	.489	.462	.723
M7_2	6.52	5.623	.463	.623	.720
M7_3	6.50	5.534	.526	.684	.711
M7_4	6.53	5.667	.434	.417	.724
M7_5	6.38	5.833	.512	.416	.719
M7_6	6.43	5.619	.551	.734	.710
M7_7	6.44	5.598	.549	.720	.710
M7_8	6.50	5.691	.445	.349	.723
M7_9	6.20	4.611	.321	.180	.801

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.23	6.833	2.614	9

a Grade Band = 56

**Grade Band = 56: Task 8 – Measurement (Time of Day)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	96	78.7
	Excluded(a)	26	21.3
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.746	.745	3

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M8_1	.57	.497	96
M8_2	.58	.496	96
M8_3	.53	.502	96

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M8_1	M8_2	M8_3
M8_1	1.000	.424	.497
M8_2	.424	1.000	.561
M8_3	.497	.561	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.563	.531	.583	.052	1.098	.001	3

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M8_1	1.11	.776	.521	.278	.719
M8_2	1.10	.747	.569	.343	.664
M8_3	1.16	.702	.627	.397	.595

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.69	1.480	1.217	3

a Grade Band = 56

**Grade Band = 56: Task 9 – Number Line**

**Case Processing Summary(b)**

		N	%
Cases	Valid	94	77.0
	Excluded(a)	28	23.0
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.692	.693	5

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M9_1	.70	.460	94
M9_2	.41	.495	94
M9_3	.61	.491	94
M9_4	.60	.493	94
M9_5	.52	.502	94

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M9_1	M9_2	M9_3	M9_4	M9_5
M9_1	1.000	.265	.380	.411	.354
M9_2	.265	1.000	.148	.210	.159
M9_3	.380	.148	1.000	.224	.230
M9_4	.411	.210	.224	1.000	.729
M9_5	.354	.159	.230	.729	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.568	.415	.702	.287	1.692	.011	5

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M9_1	2.14	1.819	.518	.282	.613
M9_2	2.43	2.054	.264	.084	.718
M9_3	2.23	1.966	.338	.157	.687
M9_4	2.24	1.671	.595	.563	.575
M9_5	2.32	1.704	.547	.538	.596

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.84	2.673	1.635	5

a Grade Band = 56

**Grade Band = 56: Task 10 – Tell Time**

**Case Processing Summary(b)**

		N	%
Cases	Valid	85	69.7
	Excluded(a)	37	30.3
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.780	.781	4

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M10_1	1.28	1.287	85
M10_2	1.31	1.215	85
M10_3	2.41	1.105	85
M10_4	2.47	1.030	85

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M10_1	M10_2	M10_3	M10_4
M10_1	1.000	.774	.378	.302
M10_2	.774	1.000	.366	.331
M10_3	.378	.366	1.000	.675
M10_4	.302	.331	.675	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	1.868	1.282	2.471	1.188	1.927	.439	4

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M10_1	6.19	7.107	.626	.609	.706
M10_2	6.16	7.354	.642	.609	.696
M10_3	5.06	8.246	.566	.489	.737
M10_4	5.00	8.833	.517	.464	.760

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.47	13.062	3.614	4

a Grade Band = 56

**Grade 5-6: Task 11 – Order Numbers**

This task has only 1 item so no statistics can be computed.

**Grade Band = 56: Task 12 – Manipulate Mathematical Concepts- Ordinal Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	82	67.2
	Excluded(a)	40	32.8
	Total	122	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.629	.629	2

a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M12_1	.56	.499	82
M12_2	.54	.502	82

a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M12_1	M12_2
M12_1	1.000	.459
M12_2	.459	1.000

a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.549	.537	.561	.024	1.045	.000	2

a Grade Band = 56

**Item-Total Statistics(b)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M12_1	.54	.252	.459	.211	.(a)
M12_2	.56	.249	.459	.211	.(a)

a The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

b Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.10	.731	.855	2

a Grade Band = 56

**Grade Band = 56: Task 13 – Calendar**

**Case Processing Summary(b)**

		N	%
Cases	Valid	80	65.6
	Excluded(a)	42	34.4
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.770	.764	5

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M13_1	.79	.412	80
M13_2	.23	.420	80
M13_3	.31	.466	80
M13_4	.50	.503	80
M13_5	.40	.493	80

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M13_1	M13_2	M13_3	M13_4	M13_5
M13_1	1.000	.280	.218	.336	.362
M13_2	.280	1.000	.347	.479	.293
M13_3	.218	.347	1.000	.620	.385
M13_4	.336	.479	.620	1.000	.612
M13_5	.362	.293	.385	.612	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.445	.225	.788	.563	3.500	.047	5

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M13_1	1.44	2.123	.389	.170	.774
M13_2	2.00	2.025	.466	.250	.752
M13_3	1.91	1.853	.542	.388	.727
M13_4	1.73	1.569	.743	.595	.648
M13_5	1.83	1.766	.572	.403	.717

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.23	2.759	1.661	5

a Grade Band = 56

**Grade Band = 56: Task 14 – Manipulate Mathematical Concepts – Take Away**

**Case Processing Summary(b)**

		N	%
Cases	Valid	82	67.2
	Excluded(a)	40	32.8
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.736	.780	7

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M14_1	.96	.189	82
M14_2	.83	.379	82
M14_3	.83	.379	82
M14_4	.96	.189	82
M14_5	.78	.416	82
M14_6	.80	.399	82
M14_7	.43	.498	82

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M14_1	M14_2	M14_3	M14_4	M14_5	M14_6	M14_7
M14_1	1.000	.429	.429	.654	.211	.396	.168
M14_2	.429	1.000	.483	.429	.229	.349	-.133
M14_3	.429	.483	1.000	.257	.386	.594	.195
M14_4	.654	.429	.257	1.000	.211	.396	.168
M14_5	.211	.229	.386	.211	1.000	.557	.279
M14_6	.396	.349	.594	.396	.557	1.000	.363
M14_7	.168	-.133	.195	.168	.279	.363	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.800	.427	.963	.537	2.257	.032	7

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M14_1	4.63	2.210	.523	.506	.710
M14_2	4.77	2.007	.363	.418	.725
M14_3	4.77	1.785	.604	.490	.666
M14_4	4.63	2.235	.477	.502	.715
M14_5	4.82	1.806	.501	.326	.692
M14_6	4.79	1.648	.716	.548	.633
M14_7	5.17	1.946	.249	.247	.774

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
5.60	2.540	1.594	7

a Grade Band = 56

**Grade Band = 56: Task 15 – Manipulate Mathematical Concepts – Quantity**

**Case Processing Summary(b)**

		N	%
Cases	Valid	80	65.6
	Excluded(a)	42	34.4
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.767	.763	4

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M15_1	.85	.359	80
M15_2	.34	.476	80
M15_3	.35	.480	80
M15_4	.59	.495	80

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M15_1	M15_2	M15_3	M15_4
M15_1	1.000	.300	.308	.430
M15_2	.300	1.000	.529	.544
M15_3	.308	.529	1.000	.562
M15_4	.430	.544	.562	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.531	.338	.850	.513	2.519	.058	4

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M15_1	1.28	1.468	.416	.195	.782
M15_2	1.79	1.131	.594	.372	.698
M15_3	1.78	1.113	.607	.389	.690
M15_4	1.54	1.037	.671	.451	.652

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.13	1.959	1.400	4

a Grade Band = 56

**Grade Band = 56: Task 16 – Manipulate Mathematical Concepts – Fractions**

**Case Processing Summary(b)**

		N	%
Cases	Valid	68	55.7
	Excluded(a)	54	44.3
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.534	.542	5

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M16_1	.69	.465	68
M16_2	.21	.407	68
M16_3	.44	.500	68
M16_4	.37	.486	68
M16_5	.10	.306	68

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M16_1	M16_2	M16_3	M16_4	M16_5
M16_1	1.000	.025	.273	.246	.017
M16_2	.025	1.000	.427	.291	.306
M16_3	.273	.427	1.000	-.002	.089
M16_4	.246	.291	-.002	1.000	.244
M16_5	.017	.306	.089	.244	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.362	.103	.691	.588	6.714	.052	5

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M16_1	1.12	1.210	.247	.172	.511
M16_2	1.60	1.138	.431	.334	.400
M16_3	1.37	1.102	.312	.292	.471
M16_4	1.44	1.146	.286	.211	.488
M16_5	1.71	1.405	.249	.121	.509

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.81	1.679	1.296	5

a Grade Band = 56

**Grade Band = 56: Task 17 – Count Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	62	50.8
	Excluded(a)	60	49.2
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.903	.902	5

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M17_1	.89	.960	62
M17_2	.71	.894	62
M17_3	.77	.857	62
M17_4	.61	.797	62
M17_5	.47	.503	62

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M17_1	M17_2	M17_3	M17_4	M17_5
M17_1	1.000	.802	.785	.671	.485
M17_2	.802	1.000	.768	.760	.489
M17_3	.785	.768	1.000	.806	.363
M17_4	.671	.760	.806	1.000	.541
M17_5	.485	.489	.363	.541	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.690	.468	.887	.419	1.897	.025	5

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M17_1	2.56	6.971	.821	.736	.870
M17_2	2.74	7.178	.851	.736	.861
M17_3	2.68	7.435	.831	.785	.866
M17_4	2.84	7.777	.820	.749	.869
M17_5	2.98	10.147	.516	.389	.927

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
3.45	12.055	3.472	5

a Grade Band = 56

**Grade Band = 56: Task 18 – Manipulate Mathematical Concepts- Place Value**

**Case Processing Summary(b)**

		N	%
Cases	Valid	63	51.6
	Excluded(a)	59	48.4
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.572	.574	4

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M18_1	.40	.493	63
M18_2	.30	.463	63
M18_3	.41	.496	63
M18_4	.65	.481	63

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M18_1	M18_2	M18_3	M18_4
M18_1	1.000	.315	.374	.050
M18_2	.315	1.000	.362	.336
M18_3	.374	.362	1.000	.073
M18_4	.050	.336	.073	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.440	.302	.651	.349	2.158	.022	4

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M18_1	1.37	1.042	.348	.179	.505
M18_2	1.46	.962	.507	.263	.377
M18_3	1.35	1.005	.386	.208	.473
M18_4	1.11	1.197	.198	.118	.618

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.76	1.636	1.279	4

a Grade Band = 56

**Grade Band = 56: Task 19 – Count on Dictation**

**Case Processing Summary(b)**

		N	%
Cases	Valid	68	55.7
	Excluded(a)	54	44.3
	Total	122	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 56

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.679	.750	3

- a Grade Band = 56

**Item Statistics(a)**

	Mean	Std. Deviation	N
M19_1	8.00	2.344	68
M19_2	4.56	3.584	68
M19_3	2.56	1.470	68

- a Grade Band = 56

**Inter-Item Correlation Matrix(a)**

	M19_1	M19_2	M19_3
M19_1	1.000	.490	.524
M19_2	.490	1.000	.484
M19_3	.524	.484	1.000

- a Grade Band = 56

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	5.039	2.559	8.000	5.441	3.126	7.575	3

a Grade Band = 56

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M19_1	7.12	20.105	.564	.348	.507
M19_2	10.56	11.265	.554	.311	.641
M19_3	12.56	26.579	.575	.342	.620

a Grade Band = 56

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
15.12	37.449	6.120	3

a Grade Band = 56

**GRADES 5-6: Task 20 – Computation – Addition Facts**

**GRADES 5-6: Task 21 – Computation – Subtraction Facts**

**GRADES 5-6: Task 22 – Mixed Computation – Addition and Subtraction**

*No Individual Items were Recorded for Tasks 20-22*

**Grade Band = 56**

**Correlations(a)**

		M20_CDM	M20_TCD	M21_CDM	M21_TCD	M22_TCD
M20_CDM	Pearson Correlation	1	.595(**)	.656(**)	.471(**)	.585(**)
	Sig. (2-tailed)		.000	.000	.000	.000
	N	61	61	58	58	46
M20_TCD	Pearson Correlation	.595(**)	1	.508(**)	.751(**)	.587(**)
	Sig. (2-tailed)	.000		.000	.000	.000
	N	61	61	58	58	46
M21_CDM	Pearson Correlation	.656(**)	.508(**)	1	.677(**)	.764(**)
	Sig. (2-tailed)	.000	.000		.000	.000
	N	58	58	58	58	46
M21_TCD	Pearson Correlation	.471(**)	.751(**)	.677(**)	1	.685(**)
	Sig. (2-tailed)	.000	.000	.000		.000
	N	58	58	58	58	46
M22_TCD	Pearson Correlation	.585(**)	.587(**)	.764(**)	.685(**)	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	46	46	46	46	47

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Grade Band = 56

**Grade Band = 78**

**Descriptive Statistics(a)**

	N	Minimum	Maximum	Mean	Std. Deviation
M1Tot	128	.00	28.00	6.1719	3.74189
M2Tot	128	.00	24.00	15.8906	10.75441
M3Tot	128	.00	8.00	3.7813	2.75492
M4Tot	128	.00	44.00	24.2734	19.54833
M5Tot	128	.00	4.00	2.2500	1.70686
M6Tot	128	.00	4.00	2.0469	1.69231
M7Tot	128	.00	10.00	5.7422	4.06879
M8Tot	128	.00	3.00	1.5859	1.36623
M9Tot	128	.00	5.00	2.3594	2.13606
M10Tot	128	.00	12.00	5.1875	4.95293
M11Tot	128	.00	5.00	2.3750	2.36443
M12Tot	128	.00	2.00	.7969	.91668
M13Tot	128	.00	5.00	1.8281	1.99649
M14Tot	128	.00	7.00	3.8359	3.11910
M15Tot	128	.00	4.00	1.7578	1.73317
M16Tot	128	.00	5.00	1.2188	1.63108
M17Tot	128	.00	9.00	2.9375	3.66673
M18Tot	128	.00	4.00	1.1875	1.53567
M19Tot	128	.00	22.00	8.7422	9.53010
M20_CDM	65	0	32	13.35	9.001
M20_TCD	65	0	32	24.08	9.895
M21_CDM	63	0	20	8.17	5.912
M21_TCD	63	0	70	15.03	9.497
M22_TCD	63	0	17	10.70	4.917
Valid N (listwise)	62				

a Grade Band = 78

**Grade Band = 78: Task 1 – Identify Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	106	82.8
	Excluded(a)	22	17.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.440	.870	8

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M1_1	.92	.265	106
M1_2	.86	.350	106
M1_3	.93	.250	106
M1_4	.95	.213	106
M1_5	.92	.280	106
M1_6	1.07	1.982	106
M1_7	.89	.318	106
M1_8	.92	.280	106

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M1_1	M1_2	M1_3	M1_4	M1_5	M1_6	M1_7	M1_8
M1_1	1.000	.396	.355	.610	.425	.118	.462	.554
M1_2	.396	1.000	.437	.548	.556	.137	.624	.750
M1_3	.355	.437	1.000	.478	.464	.086	.624	.600
M1_4	.610	.548	.478	1.000	.730	.120	.623	.730
M1_5	.425	.556	.464	.730	1.000	.130	.532	.636
M1_6	.118	.137	.086	.120	.130	1.000	.133	.130
M1_7	.462	.624	.624	.623	.532	.133	1.000	.746
M1_8	.554	.750	.600	.730	.636	.130	.746	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.932	.858	1.066	.208	1.242	.004	8

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1_1	6.53	6.690	.392	.404	.396
M1_2	6.59	6.358	.463	.591	.366
M1_3	6.52	6.728	.392	.443	.399
M1_4	6.50	6.690	.510	.704	.392
M1_5	6.54	6.556	.463	.580	.382
M1_6	6.39	2.411	.156	.028	.896
M1_7	6.57	6.400	.494	.627	.367
M1_8	6.54	6.441	.547	.772	.368

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.45	7.298	2.701	8

a Grade Band = 78

**Grade Band = 78: Task 2 – Identify/Copy Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	97	75.8
	Excluded(a)	31	24.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.913	.961	8

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M2_1	1.78	.616	97
M2_2	1.75	.613	97
M2_3	1.80	.589	97
M2_4	1.81	.565	97
M2_5	1.85	.527	97
M2_6	3.36	1.363	97
M2_7	5.12	2.012	97
M2_8	3.48	1.243	97

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M2_1	M2_2	M2_3	M2_4	M2_5	M2_6	M2_7	M2_8
M2_1	1.000	.684	.686	.781	.730	.726	.770	.751
M2_2	.684	1.000	.759	.798	.815	.781	.650	.720
M2_3	.686	.759	1.000	.766	.841	.647	.645	.715
M2_4	.781	.798	.766	1.000	.917	.750	.744	.738
M2_5	.730	.815	.841	.917	1.000	.716	.706	.752
M2_6	.726	.781	.647	.750	.716	1.000	.831	.892
M2_7	.770	.650	.645	.744	.706	.831	1.000	.830
M2_8	.751	.720	.715	.738	.752	.892	.830	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.621	1.753	5.124	3.371	2.924	1.562	8

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M2_1	19.19	38.715	.823	.709	.902
M2_2	19.22	38.880	.805	.779	.903
M2_3	19.16	39.368	.770	.749	.906
M2_4	19.15	39.049	.855	.881	.903
M2_5	19.12	39.547	.842	.897	.905
M2_6	17.61	30.220	.889	.872	.885
M2_7	15.85	24.424	.852	.778	.923
M2_8	17.48	31.377	.897	.855	.884

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
20.97	45.405	6.738	8

a Grade Band = 78

**Grade Band = 78: Task 3 – Identify Shapes**

**Case Processing Summary(b)**

		N	%
Cases	Valid	98	76.6
	Excluded(a)	30	23.4
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.768	.787	8

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M3_1	.20	.405	98
M3_2	.68	.467	98
M3_3	.58	.496	98
M3_4	.86	.352	98
M3_5	.91	.290	98
M3_6	.58	.496	98
M3_7	.82	.389	98
M3_8	.28	.449	98

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M3_1	M3_2	M3_3	M3_4	M3_5	M3_6	M3_7	M3_8
M3_1	1.000	.236	.019	.207	.161	.122	.109	.538
M3_2	.236	1.000	.313	.412	.392	.268	.414	.076
M3_3	.019	.313	1.000	.304	.375	.623	.346	.060
M3_4	.207	.412	.304	1.000	.779	.363	.559	.252
M3_5	.161	.392	.375	.779	1.000	.375	.670	.196
M3_6	.122	.268	.623	.363	.375	1.000	.399	.153
M3_7	.109	.414	.346	.559	.670	.399	1.000	.116
M3_8	.538	.076	.060	.252	.196	.153	.116	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.614	.204	.908	.704	4.450	.068	8

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M3_1	4.70	3.736	.302	.336	.770
M3_2	4.22	3.372	.456	.283	.746
M3_3	4.33	3.294	.463	.435	.745
M3_4	4.05	3.430	.628	.636	.721
M3_5	4.00	3.567	.658	.695	.725
M3_6	4.33	3.191	.528	.444	.732
M3_7	4.09	3.404	.569	.497	.727
M3_8	4.63	3.678	.286	.327	.775

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
4.91	4.373	2.091	8

a Grade Band = 78

**Grade Band = 78: Task 4 – Write Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	87	68.0
	Excluded(a)	41	32.0
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.904	.936	10

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M4_1	4.78	2.264	87
M4_2	1.80	.587	87
M4_3	4.77	2.177	87
M4_4	4.59	2.433	87
M4_5	1.79	.593	87
M4_6	4.54	2.332	87
M4_7	1.84	.525	87
M4_8	4.55	2.472	87
M4_9	1.69	.704	87
M4_10	4.67	2.224	87

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M4_1	M4_2	M4_3	M4_4	M4_5	M4_6	M4_7	M4_8	M4_9	M4_10
M4_1	1.000	.518	.846	.672	.589	.646	.566	.666	.584	.810
M4_2	.518	1.000	.537	.537	.550	.477	.613	.275	.695	.421
M4_3	.846	.537	1.000	.630	.584	.639	.598	.638	.628	.733
M4_4	.672	.537	.630	1.000	.520	.647	.529	.502	.610	.647
M4_5	.589	.550	.584	.520	1.000	.485	.712	.459	.568	.582
M4_6	.646	.477	.639	.647	.485	1.000	.584	.690	.606	.685
M4_7	.566	.613	.598	.529	.712	.584	1.000	.508	.618	.541
M4_8	.666	.275	.638	.502	.459	.690	.508	1.000	.567	.717
M4_9	.584	.695	.628	.610	.568	.606	.618	.567	1.000	.475
M4_10	.810	.421	.733	.647	.582	.685	.541	.717	.475	1.000

a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.502	1.690	4.782	3.092	2.830	2.201	10

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M4_1	30.24	131.325	.854	.806	.880
M4_2	33.22	171.615	.574	.625	.906
M4_3	30.25	134.424	.825	.755	.882
M4_4	30.44	133.947	.727	.590	.891
M4_5	33.23	170.319	.653	.591	.904
M4_6	30.48	133.578	.775	.646	.887
M4_7	33.18	171.152	.681	.632	.905
M4_8	30.47	133.043	.730	.691	.891
M4_9	33.33	167.457	.705	.697	.902
M4_10	30.36	133.209	.831	.767	.882

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
35.02	180.790	13.446	10

a Grade Band = 78

**Grade Band = 78: Task 5 – Manipulate Mathematical Concepts – Discriminate Differences**

**Case Processing Summary(b)**

		N	%
Cases	Valid	97	75.8
	Excluded(a)	31	24.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.768	.781	4

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M5_1	.86	.353	97
M5_2	.86	.353	97
M5_3	.60	.493	97
M5_4	.66	.476	97

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M5_1	M5_2	M5_3	M5_4
M5_1	1.000	.583	.441	.510
M5_2	.583	1.000	.321	.448
M5_3	.441	.321	1.000	.521
M5_4	.510	.448	.521	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.742	.598	.856	.258	1.431	.018	4

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M5_1	2.11	1.102	.635	.443	.690
M5_2	2.11	1.164	.535	.370	.734
M5_3	2.37	.944	.532	.313	.743
M5_4	2.31	.903	.626	.393	.682

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.97	1.697	1.303	4

a Grade Band = 78

**Grade Band = 78: Task 6 – Manipulate Mathematical Concepts – Measurement (Size)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	96	75.0
	Excluded(a)	32	25.0
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.780	.783	4

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M6_1	.52	.502	96
M6_2	.81	.392	96
M6_3	.64	.484	96
M6_4	.73	.447	96

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M6_1	M6_2	M6_3	M6_4
M6_1	1.000	.234	.486	.448
M6_2	.234	1.000	.523	.548
M6_3	.486	.523	1.000	.610
M6_4	.448	.548	.610	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.674	.521	.813	.292	1.560	.016	4

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M6_1	2.18	1.242	.473	.282	.790
M6_2	1.89	1.387	.523	.365	.758
M6_3	2.06	1.091	.691	.482	.667
M6_4	1.97	1.167	.680	.477	.677

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.70	2.024	1.423	4

a Grade Band = 78

**Grade Band = 78: Task 7 – Identify Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	92	71.9
	Excluded(a)	36	28.1
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.787	.839	9

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M7_1	.85	.361	92
M7_2	.70	.463	92
M7_3	.76	.429	92
M7_4	.82	.390	92
M7_5	.90	.299	92
M7_6	.86	.350	92
M7_7	.87	.339	92
M7_8	.84	.371	92
M7_9	1.17	.933	92

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M7_1	M7_2	M7_3	M7_4	M7_5	M7_6	M7_7	M7_8	M7_9
M7_1	1.000	.377	.472	.344	.472	.523	.375	.386	.340
M7_2	.377	1.000	.681	.476	.339	.274	.165	.348	.226
M7_3	.472	.681	1.000	.455	.244	.212	.161	.235	.133
M7_4	.344	.476	.455	1.000	.220	.128	.231	.321	.270
M7_5	.472	.339	.244	.220	1.000	.497	.524	.449	.338
M7_6	.523	.274	.212	.128	.497	1.000	.584	.581	.345
M7_7	.375	.165	.161	.231	.524	.584	1.000	.615	.420
M7_8	.386	.348	.235	.321	.449	.581	.615	1.000	.432
M7_9	.340	.226	.133	.270	.338	.345	.420	.432	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.862	.696	1.174	.478	1.688	.017	9

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M7_1	6.91	5.553	.604	.471	.755
M7_2	7.07	5.380	.520	.558	.760
M7_3	7.00	5.604	.455	.550	.769
M7_4	6.95	5.700	.461	.337	.769
M7_5	6.86	5.815	.560	.410	.764
M7_6	6.90	5.650	.564	.531	.760
M7_7	6.89	5.680	.568	.532	.760
M7_8	6.92	5.478	.630	.518	.751
M7_9	6.59	4.135	.450	.271	.826

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.76	6.711	2.591	9

a Grade Band = 78

**Grade Band = 78: Task 8 – Measurement (Time of Day)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	92	71.9
	Excluded(a)	36	28.1
	Total	128	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.794	.793	3

a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M8_1	.74	.442	92
M8_2	.74	.442	92
M8_3	.71	.458	92

a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M8_1	M8_2	M8_3
M8_1	1.000	.436	.704
M8_2	.436	1.000	.541
M8_3	.704	.541	1.000

a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.728	.707	.739	.033	1.046	.000	3

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M8_1	1.45	.623	.652	.500	.702
M8_2	1.45	.689	.530	.299	.826
M8_3	1.48	.560	.735	.564	.608

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.18	1.273	1.128	3

a Grade Band = 78

**Grade Band = 78: Task 9 – Number Line**

**Case Processing Summary(b)**

		N	%
Cases	Valid	91	71.1
	Excluded(a)	37	28.9
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.827	.828	5

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M9_1	.75	.437	91
M9_2	.56	.499	91
M9_3	.67	.473	91
M9_4	.70	.459	91
M9_5	.63	.486	91

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M9_1	M9_2	M9_3	M9_4	M9_5
M9_1	1.000	.453	.399	.453	.596
M9_2	.453	1.000	.321	.443	.552
M9_3	.399	.321	1.000	.568	.425
M9_4	.453	.443	.568	1.000	.692
M9_5	.596	.552	.425	.692	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.662	.560	.747	.187	1.333	.005	5

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M9_1	2.56	2.294	.603	.399	.798
M9_2	2.75	2.213	.552	.335	.814
M9_3	2.64	2.300	.529	.350	.819
M9_4	2.60	2.131	.701	.572	.770
M9_5	2.68	2.020	.742	.614	.756

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
3.31	3.282	1.812	5

a Grade Band = 78

**Grade Band = 78: Task 10 – Tell Time**

**Case Processing Summary(b)**

		N	%
Cases	Valid	82	64.1
	Excluded(a)	46	35.9
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.815	.814	4

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M10_1	1.54	1.398	82
M10_2	1.46	1.363	82
M10_3	2.46	1.068	82
M10_4	2.54	1.021	82

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M10_1	M10_2	M10_3	M10_4
M10_1	1.000	.879	.443	.427
M10_2	.879	1.000	.377	.378
M10_3	.443	.377	1.000	.630
M10_4	.427	.378	.630	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.000	1.463	2.537	1.073	1.733	.335	4

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M10_1	6.46	7.560	.766	.788	.699
M10_2	6.54	8.054	.711	.772	.729
M10_3	5.54	10.474	.549	.435	.805
M10_4	5.46	10.721	.545	.424	.807

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
8.00	15.407	3.925	4

a Grade Band = 78

**Grade Band = 78: Task 11 – Order Numbers**

This task has only 1 item so no statistics can be computed.

**Grade Band = 78: Task 12 – Manipulate Mathematical Concepts – Ordinal Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	85	66.4
	Excluded(a)	43	33.6
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.757	.757	2

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M12_1	.61	.490	85
M12_2	.59	.495	85

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M12_1	M12_2
M12_1	1.000	.609
M12_2	.609	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.600	.588	.612	.024	1.040	.000	2

a Grade Band = 78

**Item-Total Statistics(b)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M12_1	.59	.245	.609	.371	.(a)
M12_2	.61	.240	.609	.371	.(a)

a The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

b Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.20	.781	.884	2

a Grade Band = 78

**Grade Band = 78: Task 13 - Calendar**

**Case Processing Summary(b)**

		N	%
Cases	Valid	82	64.1
	Excluded(a)	46	35.9
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.809	.810	5

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M13_1	.79	.408	82
M13_2	.48	.502	82
M13_3	.45	.501	82
M13_4	.62	.488	82
M13_5	.51	.503	82

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M13_1	M13_2	M13_3	M13_4	M13_5
M13_1	1.000	.487	.343	.532	.404
M13_2	.487	1.000	.461	.440	.587
M13_3	.343	.461	1.000	.404	.346
M13_4	.532	.440	.404	1.000	.598
M13_5	.404	.587	.346	.598	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.571	.451	.793	.341	1.757	.020	5

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M13_1	2.06	2.404	.567	.365	.782
M13_2	2.38	2.090	.650	.468	.754
M13_3	2.40	2.293	.490	.265	.804
M13_4	2.23	2.131	.645	.479	.756
M13_5	2.34	2.104	.637	.488	.758

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.85	3.287	1.813	5

a Grade Band = 78

**Grade Band = 78: Task 14 – Manipulate Mathematical Concepts – Take Away**

**Case Processing Summary(b)**

		N	%
Cases	Valid	78	60.9
	Excluded(a)	50	39.1
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.583	.590	7

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M14_1	.96	.194	78
M14_2	.87	.336	78
M14_3	.91	.288	78
M14_4	.97	.159	78
M14_5	.87	.336	78
M14_6	.92	.268	78
M14_7	.64	.483	78

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M14_1	M14_2	M14_3	M14_4	M14_5	M14_6	M14_7
M14_1	1.000	.322	.404	-.032	.123	.443	.267
M14_2	.322	1.000	.282	.180	.197	.033	.193
M14_3	.404	.282	1.000	-.051	-.120	.078	.046
M14_4	-.032	.180	-.051	1.000	.180	-.047	.048
M14_5	.123	.197	-.120	.180	1.000	.321	.433
M14_6	.443	.033	.078	-.047	.321	1.000	.285
M14_7	.267	.193	.046	.048	.433	.285	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.879	.641	.974	.333	1.520	.013	7

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M14_1	5.19	1.118	.481	.392	.514
M14_2	5.28	1.010	.339	.222	.530
M14_3	5.24	1.174	.154	.232	.592
M14_4	5.18	1.292	.098	.072	.595
M14_5	5.28	.984	.382	.304	.513
M14_6	5.23	1.089	.343	.304	.533
M14_7	5.51	.773	.409	.242	.511

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
6.15	1.353	1.163	7

a Grade Band = 78

**Grade Band = 78: Task 15 – Manipulate Mathematical Concepts - Quantity**

**Case Processing Summary(b)**

		N	%
Cases	Valid	81	63.3
	Excluded(a)	47	36.7
	Total	128	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.768	.764	4

a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M15_1	.85	.357	81
M15_2	.64	.482	81
M15_3	.54	.501	81
M15_4	.74	.441	81

a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M15_1	M15_2	M15_3	M15_4
M15_1	1.000	.486	.245	.388
M15_2	.486	1.000	.711	.381
M15_3	.245	.711	1.000	.475
M15_4	.388	.381	.475	1.000

a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.694	.543	.852	.309	1.568	.018	4

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M15_1	1.93	1.394	.447	.334	.770
M15_2	2.14	.994	.700	.612	.634
M15_3	2.23	1.007	.638	.585	.673
M15_4	2.04	1.211	.509	.310	.742

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.78	1.900	1.378	4

a Grade Band = 78

**Grade Band = 78: Task 16 – Manipulate Mathematical Concepts - Fractions**

**Case Processing Summary(b)**

		N	%
Cases	Valid	63	49.2
	Excluded(a)	65	50.8
	Total	128	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.724	.727	5

a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M16_1	.73	.447	63
M16_2	.25	.439	63
M16_3	.62	.490	63
M16_4	.52	.503	63
M16_5	.25	.439	63

a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M16_1	M16_2	M16_3	M16_4	M16_5
M16_1	1.000	.273	.407	.280	.273
M16_2	.273	1.000	.232	.410	.581
M16_3	.407	.232	1.000	.299	.383
M16_4	.280	.410	.299	1.000	.337
M16_5	.273	.581	.383	.337	1.000

a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.476	.254	.730	.476	2.875	.046	5

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M16_1	1.65	1.844	.426	.211	.698
M16_2	2.13	1.758	.526	.398	.661
M16_3	1.76	1.733	.458	.264	.688
M16_4	1.86	1.705	.459	.226	.688
M16_5	2.13	1.726	.559	.406	.649

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.38	2.562	1.601	5

a Grade Band = 78

**Grade Band = 78: Task 17 – Count Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	65	50.8
	Excluded(a)	63	49.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.876	.877	5

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M17_1	1.46	.831	65
M17_2	1.12	.927	65
M17_3	1.34	.871	65
M17_4	1.05	.818	65
M17_5	.72	.451	65

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M17_1	M17_2	M17_3	M17_4	M17_5
M17_1	1.000	.737	.645	.612	.513
M17_2	.737	1.000	.644	.672	.456
M17_3	.645	.644	1.000	.745	.441
M17_4	.612	.672	.745	1.000	.416
M17_5	.513	.456	.441	.416	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	1.138	.723	1.462	.738	2.021	.081	5

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M17_1	4.23	6.649	.767	.617	.834
M17_2	4.57	6.187	.775	.628	.833
M17_3	4.35	6.482	.762	.621	.835
M17_4	4.65	6.732	.758	.620	.836
M17_5	4.97	8.999	.525	.291	.892

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
5.69	10.623	3.259	5

a Grade Band = 78

**Grade Band = 78: Task 18 – Manipulate Mathematical Concepts – Place Value**

**Case Processing Summary(b)**

		N	%
Cases	Valid	64	50.0
	Excluded(a)	64	50.0
	Total	128	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.692	.693	4

a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M18_1	.53	.503	64
M18_2	.53	.503	64
M18_3	.53	.503	64
M18_4	.75	.436	64

a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M18_1	M18_2	M18_3	M18_4
M18_1	1.000	.435	.310	.253
M18_2	.435	1.000	.373	.325
M18_3	.310	.373	1.000	.470
M18_4	.253	.325	.470	1.000

a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.586	.531	.750	.219	1.412	.012	4

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M18_1	1.81	1.234	.437	.218	.654
M18_2	1.81	1.171	.507	.268	.608
M18_3	1.81	1.171	.507	.288	.608
M18_4	1.59	1.324	.458	.251	.640

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.34	1.975	1.405	4

a Grade Band = 78

**Grade Band = 78: Task 19 – Count on Dictation**

**Case Processing Summary(b)**

		N	%
Cases	Valid	65	50.8
	Excluded(a)	63	49.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.703	.761	3

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M19_1	8.34	2.056	65
M19_2	5.78	3.257	65
M19_3	3.09	1.487	65

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M19_1	M19_2	M19_3
M19_1	1.000	.464	.460
M19_2	.464	1.000	.620
M19_3	.460	.620	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	5.738	3.092	8.338	5.246	2.697	6.882	3

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M19_1	8.88	18.828	.506	.263	.638
M19_2	11.43	9.249	.617	.425	.608
M19_3	14.12	21.047	.647	.423	.590

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
17.22	32.078	5.664	3

a Grade Band = 78

**GRADES 7-8: Task 20 – Computation – Addition Facts**

**GRADES 7-8: Task 21 – Computation – Subtraction Facts**

**GRADES 7-8: Task 22 – Mixed Computation – Addition and Subtraction**

*No Individual Items were Recorded for Tasks 20-22*

**Correlations(a)**

		M20_CDM	M20_TCD	M21_CDM	M21_TCD	M22_TCD
M20_CDM	Pearson Correlation	1	.464(**)	.780(**)	.102	.466(**)
	Sig. (2-tailed)		.000	.000	.426	.000
	N	65	65	63	63	63
M20_TCD	Pearson Correlation	.464(**)	1	.452(**)	.509(**)	.709(**)
	Sig. (2-tailed)	.000		.000	.000	.000
	N	65	65	63	63	63
M21_CDM	Pearson Correlation	.780(**)	.452(**)	1	.225	.609(**)
	Sig. (2-tailed)	.000	.000		.076	.000
	N	63	63	63	63	62
M21_TCD	Pearson Correlation	.102	.509(**)	.225	1	.398(**)
	Sig. (2-tailed)	.426	.000	.076		.001
	N	63	63	63	63	62
M22_TCD	Pearson Correlation	.466(**)	.709(**)	.609(**)	.398(**)	1
	Sig. (2-tailed)	.000	.000	.000	.001	
	N	63	63	62	62	63

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Grade Band = 78

**Grade Band = 910**

**Descriptive Statistics(a)**

	N	Minimum	Maximum	Mean	Std. Deviation
M1Tot	169	.00	28.00	6.4497	3.48963
M2Tot	169	.00	24.00	18.1243	9.83022
M3Tot	169	.00	8.00	3.4970	2.40070
M4Tot	169	.00	44.00	29.2012	18.77390
M5Tot	169	.00	4.00	2.4379	1.75865
M6Tot	169	.00	4.00	2.1598	1.71944
M7Tot	169	.00	10.00	6.4320	3.98917
M8Tot	169	.00	3.00	1.7988	1.36093
M9Tot	169	.00	5.00	2.7041	2.14255
M10Tot	169	.00	12.00	6.3550	5.09826
M11Tot	169	.00	5.00	2.5917	2.40390
M12Tot	169	.00	2.00	.9349	.94581
M13Tot	169	.00	5.00	2.2840	1.98861
M14Tot	169	.00	7.00	4.3195	3.05383
M15Tot	169	.00	4.00	1.8580	1.66296
M16Tot	169	.00	5.00	1.5385	1.58865
M17Tot	169	.00	9.00	3.1657	3.63462
M18Tot	169	.00	4.00	1.3077	1.50000
M19Tot	169	.00	22.00	10.9231	9.46799
M20_CDM	105	0	32	12.00	8.555
M20_TCD	105	0	32	22.68	10.203
M21_CDM	103	0	20	6.92	5.377
M21_TCD	103	0	27	13.03	7.163
M22_TCD	101	0	17	10.00	5.393
Valid N (listwise)	100				

a Grade Band = 910

**Grade Band = 910: Task 1 – Identify Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	139	82.2
	Excluded(a)	30	17.8
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.298	.822	8

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M1_1	.96	.187	139
M1_2	.91	.282	139
M1_3	.97	.168	139
M1_4	.98	.146	139
M1_5	.91	.282	139
M1_6	1.09	1.717	139
M1_7	.98	.146	139
M1_8	.98	.146	139

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M1_1	M1_2	M1_3	M1_4	M1_5	M1_6	M1_7	M1_8
M1_1	1.000	.628	.660	.237	.491	.100	.769	.503
M1_2	.628	1.000	.407	.307	.635	.105	.483	.483
M1_3	.660	.407	1.000	.271	.407	.059	.567	.271
M1_4	.237	.307	.271	1.000	.483	.036	.319	.319
M1_5	.491	.635	.407	.483	1.000	.105	.307	.483
M1_6	.100	.105	.059	.036	.105	1.000	.065	.094
M1_7	.769	.483	.567	.319	.307	.065	1.000	.659
M1_8	.503	.483	.271	.319	.483	.094	.659	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.973	.914	1.086	.173	1.189	.003	8

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1_1	6.82	4.033	.407	.750	.241
M1_2	6.87	3.882	.371	.545	.218
M1_3	6.81	4.139	.303	.501	.263
M1_4	6.81	4.216	.228	.311	.277
M1_5	6.87	3.896	.357	.613	.222
M1_6	6.70	1.024	.115	.017	.841
M1_7	6.81	4.143	.352	.765	.262
M1_8	6.81	4.143	.352	.580	.262

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
7.78	4.373	2.091	8

a Grade Band = 910

**Grade Band = 910: Task 2 – Identify/Copy Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	130	76.9
	Excluded(a)	39	23.1
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.853	.913	8

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M2_1	1.94	.271	130
M2_2	1.88	.413	130
M2_3	1.96	.261	130
M2_4	1.97	.247	130
M2_5	1.95	.275	130
M2_6	3.73	.905	130
M2_7	5.66	1.211	130
M2_8	3.85	.716	130

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M2_1	M2_2	M2_3	M2_4	M2_5	M2_6	M2_7	M2_8
M2_1	1.000	.416	.622	.665	.482	.405	.502	.511
M2_2	.416	1.000	.530	.418	.291	.533	.598	.541
M2_3	.622	.530	1.000	.942	.623	.481	.596	.632
M2_4	.665	.418	.942	1.000	.665	.517	.587	.675
M2_5	.482	.291	.623	.665	1.000	.324	.372	.438
M2_6	.405	.533	.481	.517	.324	1.000	.780	.824
M2_7	.502	.598	.596	.587	.372	.780	1.000	.917
M2_8	.511	.541	.632	.675	.438	.824	.917	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.868	1.877	5.662	3.785	3.016	1.976	8

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M2_1	21.01	11.667	.577	.491	.849
M2_2	21.07	10.964	.612	.525	.839
M2_3	20.98	11.488	.708	.923	.844
M2_4	20.98	11.542	.719	.936	.845
M2_5	20.99	11.837	.476	.447	.854
M2_6	19.22	8.000	.780	.701	.812
M2_7	17.28	6.143	.867	.870	.828
M2_8	19.09	8.472	.917	.902	.790

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
22.95	12.811	3.579	8

a Grade Band = 910

**Grade Band = 910: Task 3 – Identify Shapes**

**Case Processing Summary(b)**

		N	%
Cases	Valid	134	79.3
	Excluded(a)	35	20.7
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.687	.670	8

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M3_1	.12	.325	134
M3_2	.70	.459	134
M3_3	.47	.501	134
M3_4	.79	.408	134
M3_5	.93	.251	134
M3_6	.43	.497	134
M3_7	.72	.452	134
M3_8	.18	.385	134

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M3_1	M3_2	M3_3	M3_4	M3_5	M3_6	M3_7	M3_8
M3_1	1.000	.240	.345	.133	.007	.189	.181	.188
M3_2	.240	1.000	.353	.307	.086	.208	.458	.135
M3_3	.345	.353	1.000	.263	.074	.565	.261	.145
M3_4	.133	.307	.263	1.000	.155	.301	.328	.049
M3_5	.007	.086	.074	.155	1.000	.114	.228	.048
M3_6	.189	.208	.565	.301	.114	1.000	.215	.103
M3_7	.181	.458	.261	.328	.228	.215	1.000	-.008
M3_8	.188	.135	.145	.049	.048	.103	-.008	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.543	.119	.933	.813	7.813	.085	8

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M3_1	4.22	3.017	.338	.157	.667
M3_2	3.64	2.593	.474	.301	.633
M3_3	3.87	2.397	.552	.419	.609
M3_4	3.55	2.790	.402	.191	.652
M3_5	3.41	3.281	.177	.068	.692
M3_6	3.91	2.533	.458	.350	.637
M3_7	3.63	2.672	.425	.293	.646
M3_8	4.16	3.146	.155	.062	.703

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
4.34	3.505	1.872	8

a Grade Band = 910

**Grade Band = 910: Task 4 – Write Numerals**

**Case Processing Summary(b)**

		N	%
Cases	Valid	127	75.1
	Excluded(a)	42	24.9
	Total	169	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.898	.929	10

a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M4_1	5.21	1.780	127
M4_2	1.91	.378	127
M4_3	5.05	1.885	127
M4_4	5.31	1.551	127
M4_5	1.86	.483	127
M4_6	5.13	1.915	127
M4_7	1.88	.429	127
M4_8	5.18	1.761	127
M4_9	1.90	.395	127
M4_10	5.09	1.860	127

a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M4_1	M4_2	M4_3	M4_4	M4_5	M4_6	M4_7	M4_8	M4_9	M4_10
M4_1	1.000	.569	.853	.609	.598	.567	.480	.727	.404	.670
M4_2	.569	1.000	.529	.587	.713	.486	.767	.393	.577	.439
M4_3	.853	.529	1.000	.625	.556	.656	.429	.731	.475	.709
M4_4	.609	.587	.625	1.000	.493	.735	.484	.636	.479	.689
M4_5	.598	.713	.556	.493	1.000	.440	.607	.478	.547	.420
M4_6	.567	.486	.656	.735	.440	1.000	.453	.640	.426	.692
M4_7	.480	.767	.429	.484	.607	.453	1.000	.448	.630	.450
M4_8	.727	.393	.731	.636	.478	.640	.448	1.000	.403	.729
M4_9	.404	.577	.475	.479	.547	.426	.630	.403	1.000	.509
M4_10	.670	.439	.709	.689	.420	.692	.450	.729	.509	1.000

a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.851	1.858	5.307	3.449	2.856	2.861	10

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M4_1	33.30	76.481	.804	.792	.876
M4_2	36.60	99.814	.627	.750	.900
M4_3	33.46	74.028	.836	.799	.874
M4_4	33.20	80.799	.771	.670	.879
M4_5	36.65	98.577	.613	.597	.899
M4_6	33.39	75.906	.753	.645	.882
M4_7	36.63	99.584	.575	.678	.900
M4_8	33.33	77.033	.794	.694	.877
M4_9	36.61	100.128	.558	.525	.901
M4_10	33.43	75.294	.804	.691	.877

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
38.51	104.696	10.232	10

a Grade Band = 910

**Grade Band = 910: Task 5 – Manipulate Mathematical Concepts – Discriminate Differences**

**Case Processing Summary(b)**

		N	%
Cases	Valid	129	76.3
	Excluded(a)	40	23.7
	Total	169	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.812	.817	4

a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M5_1	.86	.348	129
M5_2	.84	.363	129
M5_3	.72	.450	129
M5_4	.77	.424	129

a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M5_1	M5_2	M5_3	M5_4
M5_1	1.000	.507	.597	.520
M5_2	.507	1.000	.450	.575
M5_3	.597	.450	1.000	.517
M5_4	.520	.575	.517	1.000

a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.798	.721	.860	.140	1.194	.004	4

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M5_1	2.33	1.036	.662	.448	.755
M5_2	2.35	1.041	.611	.396	.775
M5_3	2.47	.892	.625	.421	.772
M5_4	2.43	.918	.650	.435	.756

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
3.19	1.626	1.275	4

a Grade Band = 910

**Grade Band = 910: Task 6 – Manipulate Mathematical Concepts – Measurement (Size)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	130	76.9
	Excluded(a)	39	23.1
	Total	169	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.821	.826	4

a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M6_1	.55	.500	130
M6_2	.84	.369	130
M6_3	.67	.472	130
M6_4	.72	.449	130

a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M6_1	M6_2	M6_3	M6_4
M6_1	1.000	.398	.541	.506
M6_2	.398	1.000	.580	.569
M6_3	.541	.580	1.000	.661
M6_4	.506	.569	.661	1.000

a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.694	.546	.838	.292	1.535	.015	4

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M6_1	2.23	1.233	.567	.334	.817
M6_2	1.94	1.438	.607	.399	.796
M6_3	2.11	1.151	.729	.540	.734
M6_4	2.05	1.214	.704	.511	.747

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.78	2.113	1.453	4

a Grade Band = 910

**Grade Band = 910: Task 7 – Identify Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	135	79.9
	Excluded(a)	34	20.1
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.820	.870	9

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M7_1	.91	.286	135
M7_2	.74	.440	135
M7_3	.79	.407	135
M7_4	.86	.349	135
M7_5	.88	.324	135
M7_6	.85	.357	135
M7_7	.88	.324	135
M7_8	.86	.349	135
M7_9	1.26	.938	135

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M7_1	M7_2	M7_3	M7_4	M7_5	M7_6	M7_7	M7_8	M7_9
M7_1	1.000	.172	.225	.323	.449	.309	.369	.398	.254
M7_2	.172	1.000	.698	.538	.254	.277	.201	.295	.309
M7_3	.225	.698	1.000	.423	.321	.301	.265	.266	.318
M7_4	.323	.538	.423	1.000	.445	.371	.247	.326	.295
M7_5	.449	.254	.321	.445	1.000	.815	.716	.774	.470
M7_6	.309	.277	.301	.371	.815	1.000	.750	.851	.495
M7_7	.369	.201	.265	.247	.716	.750	1.000	.840	.494
M7_8	.398	.295	.266	.326	.774	.851	.840	1.000	.522
M7_9	.254	.309	.318	.295	.470	.495	.494	.522	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.893	.741	1.259	.519	1.700	.021	9

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M7_1	7.13	6.350	.410	.271	.815
M7_2	7.30	5.807	.481	.598	.807
M7_3	7.24	5.873	.498	.535	.805
M7_4	7.18	6.028	.508	.424	.805
M7_5	7.16	5.774	.732	.744	.787
M7_6	7.19	5.659	.728	.797	.784
M7_7	7.16	5.849	.680	.732	.792
M7_8	7.18	5.655	.750	.837	.783
M7_9	6.78	4.055	.552	.326	.855

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
8.04	7.021	2.650	9

a Grade Band = 910

**Grade Band = 910: Task 8 – Measurement (Time of Day)**

**Case Processing Summary(b)**

		N	%
Cases	Valid	131	77.5
	Excluded(a)	38	22.5
	Total	169	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.823	.823	3

a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M8_1	.77	.422	131
M8_2	.79	.412	131
M8_3	.76	.427	131

a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M8_1	M8_2	M8_3
M8_1	1.000	.558	.594
M8_2	.558	1.000	.674
M8_3	.594	.674	1.000

a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.774	.763	.786	.023	1.030	.000	3

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M8_1	1.55	.588	.630	.399	.805
M8_2	1.53	.574	.690	.492	.745
M8_3	1.56	.541	.718	.523	.716

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.32	1.173	1.083	3

a Grade Band = 910

**Grade Band = 910: Task 9 – Number Line**

**Case Processing Summary(b)**

		N	%
Cases	Valid	126	74.6
	Excluded(a)	43	25.4
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.820	.824	5

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M9_1	.79	.406	126
M9_2	.55	.500	126
M9_3	.75	.437	126
M9_4	.79	.406	126
M9_5	.75	.437	126

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M9_1	M9_2	M9_3	M9_4	M9_5
M9_1	1.000	.443	.378	.661	.513
M9_2	.443	1.000	.422	.482	.495
M9_3	.378	.422	1.000	.513	.330
M9_4	.661	.482	.513	1.000	.604
M9_5	.513	.495	.330	.604	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.725	.548	.794	.246	1.449	.010	5

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M9_1	2.83	1.916	.635	.468	.779
M9_2	3.08	1.770	.584	.348	.797
M9_3	2.88	1.978	.510	.305	.814
M9_4	2.83	1.820	.739	.589	.750
M9_5	2.88	1.866	.619	.432	.782

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
3.63	2.796	1.672	5

a Grade Band = 910

**Grade Band = 910: Task 10 – Tell Time**

**Case Processing Summary(b)**

		N	%
Cases	Valid	119	70.4
	Excluded(a)	50	29.6
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.824	.837	4

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M10_1	1.91	1.269	119
M10_2	1.78	1.322	119
M10_3	2.70	.819	119
M10_4	2.64	.909	119

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M10_1	M10_2	M10_3	M10_4
M10_1	1.000	.776	.454	.485
M10_2	.776	1.000	.400	.477
M10_3	.454	.400	1.000	.786
M10_4	.485	.477	.786	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	2.256	1.782	2.697	.916	1.514	.229	4

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M10_1	7.12	6.427	.725	.627	.743
M10_2	7.24	6.338	.693	.617	.765
M10_3	6.33	9.053	.605	.626	.807
M10_4	6.39	8.443	.650	.649	.784

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
9.03	12.703	3.564	4

a Grade Band = 910

**Grade Band = 910: Task 11 – Order Numbers**

This task has only 1 item so no statistics can be computed.

**Grade Band = 910: Task 12 – Manipulate Mathematical Concepts – Ordinal Numbers**

**Case Processing Summary(b)**

		N	%
Cases	Valid	122	72.2
	Excluded(a)	47	27.8
	Total	169	100.0

a Listwise deletion based on all variables in the procedure.

b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.807	.807	2

a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M12_1	.65	.480	122
M12_2	.65	.480	122

a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M12_1	M12_2
M12_1	1.000	.677
M12_2	.677	1.000

a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.648	.648	.648	.000	1.000	.000	2

a Grade Band = 910

**Item-Total Statistics(b)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M12_1	.65	.230	.677	.458	.(a)
M12_2	.65	.230	.677	.458	.(a)

a The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

b Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
1.30	.772	.878	2

a Grade Band = 910

**Grade Band = 910: Task 13 - Calendar**

**Case Processing Summary(b)**

		N	%
Cases	Valid	115	68.0
	Excluded(a)	54	32.0
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.668	.683	5

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M13_1	.90	.307	115
M13_2	.59	.494	115
M13_3	.52	.502	115
M13_4	.75	.436	115
M13_5	.60	.492	115

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M13_1	M13_2	M13_3	M13_4	M13_5
M13_1	1.000	.295	.243	.391	.302
M13_2	.295	1.000	.231	.373	.368
M13_3	.243	.231	1.000	.246	.142
M13_4	.391	.373	.246	1.000	.425
M13_5	.302	.368	.142	.425	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.671	.522	.896	.374	1.717	.023	5

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M13_1	2.46	1.742	.444	.208	.623
M13_2	2.77	1.409	.463	.222	.597
M13_3	2.83	1.578	.291	.101	.682
M13_4	2.61	1.451	.529	.300	.569
M13_5	2.76	1.431	.444	.244	.607

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
3.36	2.196	1.482	5

a Grade Band = 910

**Grade Band = 910: Task 14 – Manipulate Mathematical Concepts – Take Away**

**Case Processing Summary(b)**

		N	%
Cases	Valid	114	67.5
	Excluded(a)	55	32.5
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.642	.634	7

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M14_1	.98	.132	114
M14_2	.86	.349	114
M14_3	.90	.297	114
M14_4	.97	.161	114
M14_5	.93	.257	114
M14_6	.89	.308	114
M14_7	.74	.442	114

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M14_1	M14_2	M14_3	M14_4	M14_5	M14_6	M14_7
M14_1	1.000	.138	.183	-.022	-.037	-.046	.072
M14_2	.138	1.000	.296	.091	.087	.355	.447
M14_3	.183	.296	1.000	.132	.027	.275	.210
M14_4	-.022	.091	.132	1.000	.598	.301	.151
M14_5	-.037	.087	.027	.598	1.000	.353	.304
M14_6	-.046	.355	.275	.301	.353	1.000	.249
M14_7	.072	.447	.210	.151	.304	.249	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.897	.737	.982	.246	1.333	.007	7

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M14_1	5.30	1.308	.094	.059	.657
M14_2	5.42	.918	.469	.308	.563
M14_3	5.38	1.069	.322	.172	.615
M14_4	5.31	1.206	.347	.381	.619
M14_5	5.35	1.097	.356	.449	.605
M14_6	5.39	.982	.453	.279	.572
M14_7	5.54	.799	.455	.282	.579

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
6.28	1.354	1.164	7

a Grade Band = 910

**Grade Band = 910: Task 15 – Manipulate Mathematical Concepts – Quantity**

**Case Processing Summary(b)**

		N	%
Cases	Valid	115	68.0
	Excluded(a)	54	32.0
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.712	.713	4

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M15_1	.86	.348	115
M15_2	.61	.490	115
M15_3	.50	.502	115
M15_4	.74	.441	115

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M15_1	M15_2	M15_3	M15_4
M15_1	1.000	.244	.305	.448
M15_2	.244	1.000	.488	.376
M15_3	.305	.488	1.000	.441
M15_4	.448	.376	.441	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.678	.504	.861	.357	1.707	.024	4

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M15_1	1.85	1.285	.415	.216	.698
M15_2	2.10	1.007	.494	.272	.654
M15_3	2.21	.939	.557	.323	.612
M15_4	1.97	1.043	.549	.324	.618

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.71	1.733	1.316	4

a Grade Band = 910

**Grade Band = 910: Task 16 – Manipulate Mathematical Concepts – Fractions**

**Case Processing Summary(b)**

		N	%
Cases	Valid	103	60.9
	Excluded(a)	66	39.1
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.555	.553	5

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M16_1	.83	.382	103
M16_2	.28	.452	103
M16_3	.59	.494	103
M16_4	.56	.498	103
M16_5	.19	.397	103

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M16_1	M16_2	M16_3	M16_4	M16_5
M16_1	1.000	-.053	.242	.007	.097
M16_2	-.053	1.000	.168	.377	.457
M16_3	.242	.168	1.000	.145	.108
M16_4	.007	.377	.145	1.000	.432
M16_5	.097	.457	.108	.432	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.491	.194	.825	.631	4.250	.065	5

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M16_1	1.63	1.549	.111	.085	.598
M16_2	2.17	1.204	.394	.272	.452
M16_3	1.86	1.275	.251	.099	.543
M16_4	1.89	1.136	.391	.234	.451
M16_5	2.26	1.235	.461	.301	.424

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.46	1.800	1.341	5

a Grade Band = 910

**Grade Band = 78: Task 17 – Count Money**

**Case Processing Summary(b)**

		N	%
Cases	Valid	65	50.8
	Excluded(a)	63	49.2
	Total	128	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 78

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.876	.877	5

- a Grade Band = 78

**Item Statistics(a)**

	Mean	Std. Deviation	N
M17_1	1.46	.831	65
M17_2	1.12	.927	65
M17_3	1.34	.871	65
M17_4	1.05	.818	65
M17_5	.72	.451	65

- a Grade Band = 78

**Inter-Item Correlation Matrix(a)**

	M17_1	M17_2	M17_3	M17_4	M17_5
M17_1	1.000	.737	.645	.612	.513
M17_2	.737	1.000	.644	.672	.456
M17_3	.645	.644	1.000	.745	.441
M17_4	.612	.672	.745	1.000	.416
M17_5	.513	.456	.441	.416	1.000

- a Grade Band = 78

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	1.138	.723	1.462	.738	2.021	.081	5

a Grade Band = 78

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M17_1	4.23	6.649	.767	.617	.834
M17_2	4.57	6.187	.775	.628	.833
M17_3	4.35	6.482	.762	.621	.835
M17_4	4.65	6.732	.758	.620	.836
M17_5	4.97	8.999	.525	.291	.892

a Grade Band = 78

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
5.69	10.623	3.259	5

a Grade Band = 78

**Grade Band = 910: Task 18 – Manipulate Mathematical Concepts – Place Value**

**Case Processing Summary(b)**

		N	%
Cases	Valid	104	61.5
	Excluded(a)	65	38.5
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.
- b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.658	.655	4

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M18_1	.47	.502	104
M18_2	.49	.502	104
M18_3	.47	.502	104
M18_4	.69	.464	104

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M18_1	M18_2	M18_3	M18_4
M18_1	1.000	.346	.421	.254
M18_2	.346	1.000	.461	.237
M18_3	.421	.461	1.000	.212
M18_4	.254	.237	.212	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	.531	.471	.692	.221	1.469	.012	4

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M18_1	1.65	1.161	.466	.227	.571
M18_2	1.63	1.147	.481	.254	.560
M18_3	1.65	1.122	.511	.293	.539
M18_4	1.43	1.374	.301	.093	.675

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
2.13	1.916	1.384	4

a Grade Band = 910

**Grade Band = 910: Task 19 – Count on Dictation**

**Case Processing Summary(b)**

		N	%
Cases	Valid	105	62.1
	Excluded(a)	64	37.9
	Total	169	100.0

- a Listwise deletion based on all variables in the procedure.  
 b Grade Band = 910

**Reliability Statistics(a)**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.596	.661	3

- a Grade Band = 910

**Item Statistics(a)**

	Mean	Std. Deviation	N
M19_1	8.56	1.635	105
M19_2	5.52	3.352	105
M19_3	3.50	1.462	105

- a Grade Band = 910

**Inter-Item Correlation Matrix(a)**

	M19_1	M19_2	M19_3
M19_1	1.000	.374	.285
M19_2	.374	1.000	.524
M19_3	.285	.524	1.000

- a Grade Band = 910

**Summary Item Statistics(a)**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	5.860	3.495	8.562	5.067	2.450	6.503	3

a Grade Band = 910

**Item-Total Statistics(a)**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M19_1	9.02	18.500	.388	.151	.555
M19_2	12.06	6.170	.554	.329	.441
M19_3	14.09	18.002	.523	.283	.455

a Grade Band = 910

**Scale Statistics(a)**

Mean	Variance	Std. Deviation	N of Items
17.58	26.630	5.160	3

a Grade Band = 910

**Grade Band = 910: Task 20 – Computation – Addition Facts**

**Grade Band = 910: Task 21 – Computation – Subtraction Facts**

**Grade Band = 910: Task 22 – Mixed Computation – Addition and Subtraction**

*No Individual Items were Recorded for Tasks 20-22*

**Correlations(a)**

		M20_CDM	M20_TCD	M21_CDM	M21_TCD	M22_TCD
M20_CDM	Pearson Correlation	1	.755(**)	.727(**)	.472(**)	.604(**)
	Sig. (2-tailed)		.000	.000	.000	.000
	N	105	105	103	103	101
M20_TCD	Pearson Correlation	.755(**)	1	.659(**)	.686(**)	.687(**)
	Sig. (2-tailed)	.000		.000	.000	.000
	N	105	105	103	103	101
M21_CDM	Pearson Correlation	.727(**)	.659(**)	1	.727(**)	.707(**)
	Sig. (2-tailed)	.000	.000		.000	.000
	N	103	103	103	103	100
M21_TCD	Pearson Correlation	.472(**)	.686(**)	.727(**)	1	.756(**)
	Sig. (2-tailed)	.000	.000	.000		.000
	N	103	103	103	103	100
M22_TCD	Pearson Correlation	.604(**)	.687(**)	.707(**)	.756(**)	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	101	101	100	100	101

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Grade Band = 910