Student Name: _____

PEAKS
PERFORMANCE EVALUATION
FOR ALASKA'S SCHOOLS

Mathematics
Test Booklet
Grade 3

Paper-Based Item Sampler

Alaska Department of Education & Early Development

DO NOT MARK ON THIS PAGE

Part 1

Mathematics

Now you will be taking the mathematics portion of the Performance Evaluation for Alaska's Schools. This test has two parts that contain different types of questions. Record all your answers in your test booklet.

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Answer 23 is shown here.	Answer ½ is shown here.

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GO ON

1. A rectangle with 24 squares is shown.
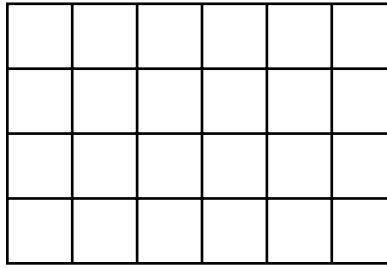
Which expression could be used to find the number of squares in one row of the rectangle?

Ⓐ   24 + 4

Ⓑ   24 − 4

Ⓒ   24 × 4

Ⓓ   24 ÷ 4

2. Mr. Jones bought a rectangular rug that is 7 feet long and 4 feet wide. What is the area of the rug?

Ⓐ   11 square feet

Ⓑ   21 square feet

Ⓒ   22 square feet

Ⓓ   28 square feet

3. Ms. Green's class planted seeds for a science project. The students measured the heights of their plants after one week.

Plant Height (inches)	Number of Plants
$\frac{1}{4}$ inch	2
$\frac{1}{2}$ inch	4
$\frac{3}{4}$ inch	6
1 inch	3

Which line plot matches the students' information?

Ⓐ

Plant Height (inches)

Ⓑ

Plant Height (inches)

Ⓒ

Plant Height (inches)

Ⓓ

Plant Height (inches)

GO ON
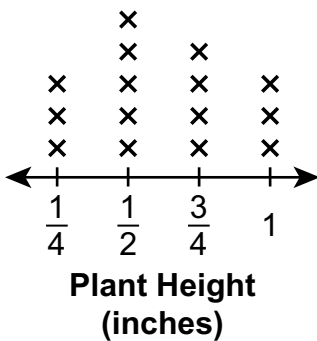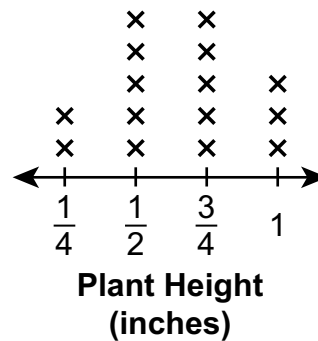
4. A rectangle is shown.

   What fraction of the rectangle is shaded?

   Ⓐ $\dfrac{2}{4}$

   Ⓑ $\dfrac{2}{6}$

   Ⓒ $\dfrac{2}{8}$

   Ⓓ $\dfrac{4}{6}$

5. Kelly cuts a pizza into four equal-sized pieces, as shown.

   What fraction of the area of the whole pizza is represented by one piece?
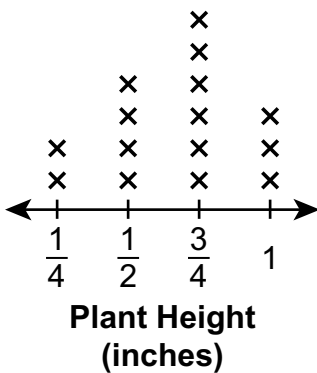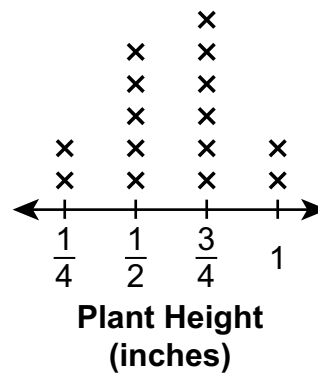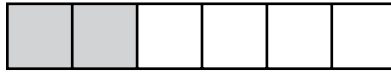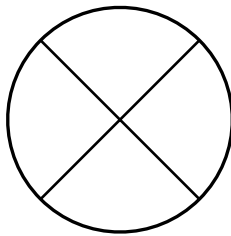
   Ⓐ $\dfrac{1}{4}$

   Ⓑ $\dfrac{4}{1}$

   Ⓒ $\dfrac{4}{4}$

   Ⓓ $\dfrac{1}{1}$

GO ON
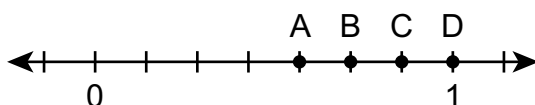
6. Lisa is solving the division problem 54 ÷ 6. Which number sentence can help Lisa find the answer?

    (A)   6 + 48 = 42

    (B)   6 + 54 = 60

    (C)   6 × 9 = 54

    (D)   6 × 54 = 324

7. Mark has all of his books on 6 shelves. Each shelf has 7 books. How many books, in total, does Mark have?

    (A)   13

    (B)   35

    (C)   42

    (D)   48

8. A number line is shown.

    Which point shows $\frac{7}{7}$ on the number line?

    (A)   A

    (B)   B

    (C)   C

    (D)   D

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9. Quincy counts the number of birds at a bird feeder each morning. The table shows how many birds are at the bird feeder for each of four mornings.

Birds at Bird Feeder

Day	Birds
Saturday	6
Sunday	3
Monday	5
Tuesday	2

Quincy makes a picture graph. Which picture graph correctly shows how many birds are at the bird feeder for each of the four mornings?

Ⓐ

Day	Birds at Bird Feeder
Saturday	🐦🐦🐦🐦🐦🐦
Sunday	🐦🐦🐦
Monday	🐦🐦🐦🐦🐦
Tuesday	🐦🐦

Key: 🐦 = 2 birds

Ⓑ

Day	Birds at Bird Feeder
Saturday	🐦🐦
Sunday	🐦🐦🐦🐦🐦
Monday	🐦🐦🐦
Tuesday	🐦🐦🐦🐦🐦🐦

Key: 🐦 = 2 birds

Ⓒ

Day	Birds at Bird Feeder
Saturday	🐦
Sunday	🐦🐦🐦
Monday	🐦🐦
Tuesday	🐦🐦🐦

Key: 🐦 = 2 birds

Ⓓ

Day	Birds at Bird Feeder
Saturday	🐦🐦🐦
Sunday	🐦🐦
Monday	🐦🐦🐦
Tuesday	🐦

Key: 🐦 = 2 birds

GO ON

10. Which number line shows T located at $\frac{1}{4}$?

Ⓐ

Ⓑ

Ⓒ

Ⓓ

11. Multiply.

4 × 70

Ⓐ 28

Ⓑ 74

Ⓒ 240

Ⓓ 280

GO ON
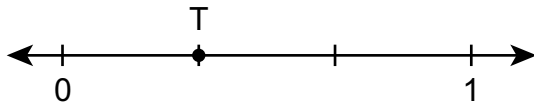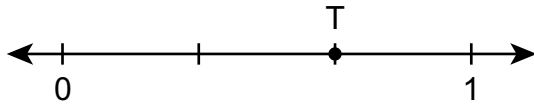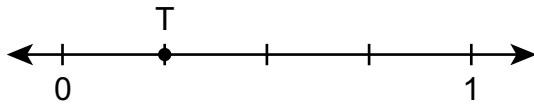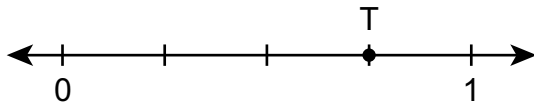
12. Which number makes the equation true?

    $? \div 8 = 4$

    Ⓐ 2

    Ⓑ 4

    Ⓒ 12

    Ⓓ 32

13. A shape is shown.

    Which word describes the shape?

    Ⓐ square

    Ⓑ rhombus

    Ⓒ parallelogram

    Ⓓ rectangle

GO ON

14. Which expression has the same value as 3 × 7?

   Ⓐ   7 × 3

   Ⓑ   21 ÷ 3

   Ⓒ   21 × 3

   Ⓓ   7 ÷ 3

15. Which array represents 3 × 4?

   Ⓐ

   Ⓑ

   Ⓒ

   Ⓓ

GO ON

16. Nolan rounds the number of people at a swimming pool to the nearest ten. He says, "There are 40 people at the swimming pool." How many people could be at the swimming pool?
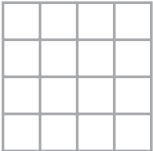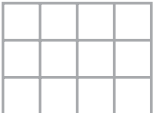
- Ⓐ 34
- Ⓑ 35
- Ⓒ 46
- Ⓓ 49

17. Jacki draws a quadrilateral on her notebook. How many sides does a quadrilateral have?

Enter your answer in the gridded response area.

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