

Spring 2025

GRADE 3
MATHEMATICS

1. Kera drew a quadrilateral that had these properties:

- It had no right angles.
- Its sides were all equal in length.

Which word **best** describes the quadrilateral Kera drew?

- A.** Square
- B.** Rhombus
- C.** Rectangle
- D.** Parallelogram

2. The third-grade students from an elementary school are taking a field trip to the National Underground Railroad Freedom Center. The students are placed in 8 groups. Each group contains 9 students. How many students are going on the field trip?

Enter your answer in the box.

- 3.** Which situation can be represented by 10 divided by 2?
- A.** Mary has 10 pencils. She puts 2 pencils in each group. How many groups of pencils does Mary have?
 - B.** Mary has 10 pencils. She loses 2 pencils. How many pencils does Mary have now?
 - C.** Mary has 10 pencils. Jake gives Mary 2 more pencils. How many pencils does Mary have now?
 - D.** Mary has 10 pencils. Jake has 2 times as many pencils as Mary. How many pencils does Jake have?
- 4.** What is 63 rounded to the nearest 10?
- A.** 60
 - B.** 63
 - C.** 64
 - D.** 70

- 5.** Alan started riding his bike at 9:12 a.m. He finished riding his bike at 9:35 a.m. How many minutes did Alan ride his bike?

Enter your answer in the box.

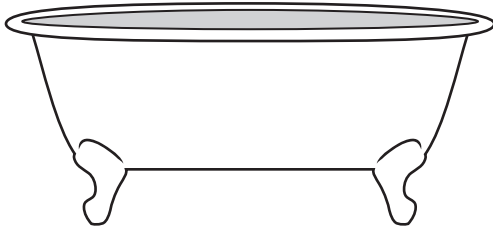
- 6.** What is the unknown number?

$$6 = ? \div 4$$

Enter your answer in the box.

7. Which item holds less than 1 liter of liquid?

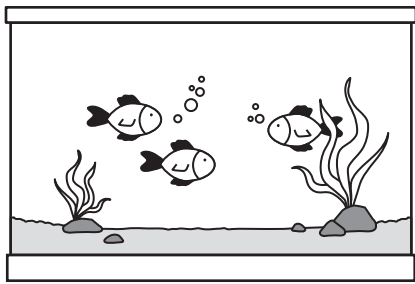
A.



B.



C.



D.



- 8.** A rectangle has a length of 8 units and a width of 5 units. What is the area of the rectangle in square units?
- A.** 13 square units
 - B.** 26 square units
 - C.** 40 square units
 - D.** 45 square units

- 9.** This question has two parts.

Part A

What is the sum of 345 and 231?

Enter your answer in the box.

Part B

What is the difference between 674 and 324?

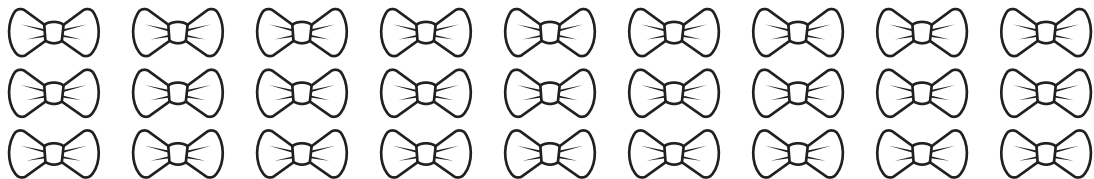
Enter your answer in the box.

10. Stephany went to the National Museum of the American Indian. She first spent 15 minutes in the museum gift shop. She then looked at the *Window on Collections* display for 35 minutes. It was 2:00 p.m. when Stephany was done looking at that display.

- What time did Stephany start looking at the *Window on Collections* display?
- What time did Stephany arrive at the museum?
- Explain how to use a number line diagram to find the time Stephany arrived at the museum.

Enter your answer and your explanation in the space.

11. There are equal groups of bows shown.

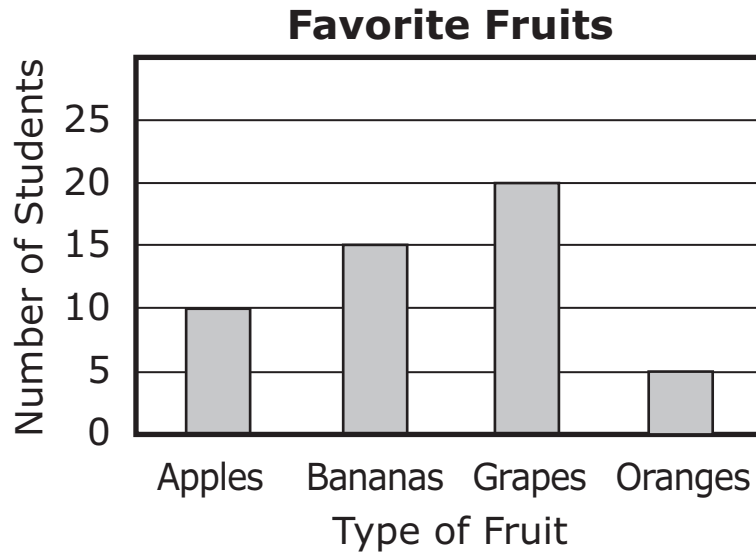


Which expression represents the total number of bows?

- A.** 3×9
- B.** $3 + 9$
- C.** $9 - 3$
- D.** $9 \div 3$

12. This question has two parts.

In a survey, some students were asked to choose their favorite fruit from four different types of fruit. The results are shown in the bar graph.



Part A

How many fewer students chose apples than bananas?

- A.** 1
- B.** 5
- C.** 15
- D.** 25

Part B

How many more students chose grapes than oranges?

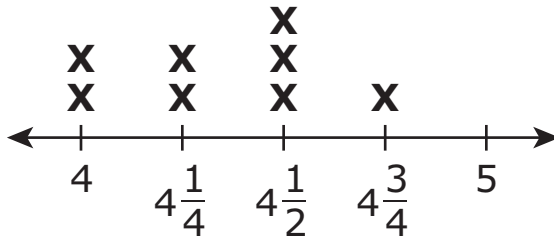
- A.** 3
- B.** 5
- C.** 10
- D.** 15

13. A scientist measures the length of 8 caterpillars in inches. The results are shown.

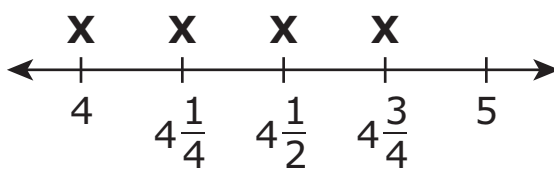
$$4\frac{1}{2}, 4\frac{1}{2}, 4\frac{1}{4}, 4, 4\frac{1}{4}, 4\frac{1}{2}, 4\frac{3}{4}, 4$$

Which line plot shows these measurements?

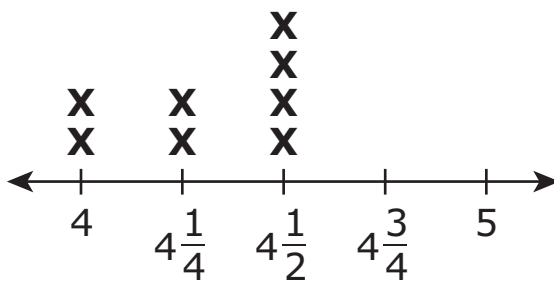
A. Lengths of Caterpillars



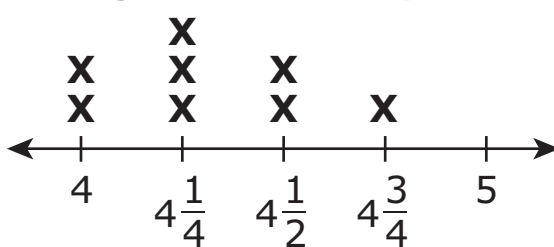
B. Lengths of Caterpillars



C. Lengths of Caterpillars



D. Lengths of Caterpillars



- 14.** What is the product of 6×70 ?

Enter your answer in the space.

- 15.** Sushi is a Japanese food. It is made by shaping ingredients such as rice, fish, and vegetables into a long roll.

A sushi roll is cut into 4 pieces. What fraction of the sushi roll is 1 piece?

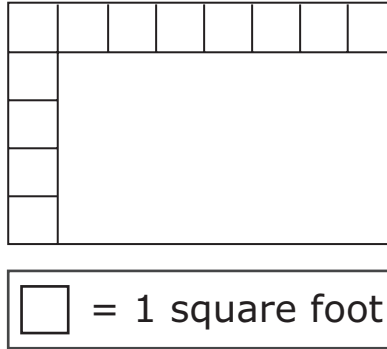
A. $\frac{1}{4}$

B. $\frac{1}{2}$

C. $\frac{3}{4}$

D. $\frac{4}{1}$

16. A rectangle is shown.



- Write an expression to find the area of the rectangle.
- What is the area of the rectangle?
- Explain how you determined your answer.

Enter your answer and your explanation in the space.

- 17.** This question has two parts.

Part A

A bakery made 80 cookies in the morning. The bakers sold 8 boxes throughout the morning, with each box containing 6 cookies. How many cookies does the bakery have left?

Enter your answer in the space.

Part B

The same bakery also sells muffins for \$3 each. In the morning, the bakers sold 12 muffins. In the afternoon, they sold 8 muffins. How much money, in dollars, did they make in total?

Enter your answer in the space.

- 18.** Lunch starts at 12:20 p.m. and ends at 1:10 p.m. How many minutes long is lunch?

Enter your answer in the box.

19. This question has three parts.

Part A

Lily counts 35 fiction books on her bookshelf. She gives 15 of her fiction books to the library. Then she buys 5 new fiction books from the bookstore. When she arrives home, she finds 2 fiction books under her bed and adds them to her shelf.

- Write an equation to show how many fiction books Lily has now.
- How many fiction books does Lily have now?

Enter your answer in the space provided.

Part B

A librarian at Lily's local library is organizing books on the shelves. At first, the librarian counts 389 history books and 425 fairy-tale books. Later that day, 15 history books and 20 fairy-tale books are returned to the library. Then the librarian finds 5 history books and 10 fairy-tale books on the wrong shelves.

- What is the total number of history books now?
- What is the total number of fairy-tale books now?
- Write a comparison, using a symbol ($<$, $>$, or $=$) to correctly compare the number of history books to the number of fairy-tale books.

Enter your answer in the space provided.

Part C

Lily has an empty shelf that measures 10 inches wide. Lily wants to put 4 books on this shelf. The widths of these books are 3 inches, 2 inches, 2 inches, and 1 inch.

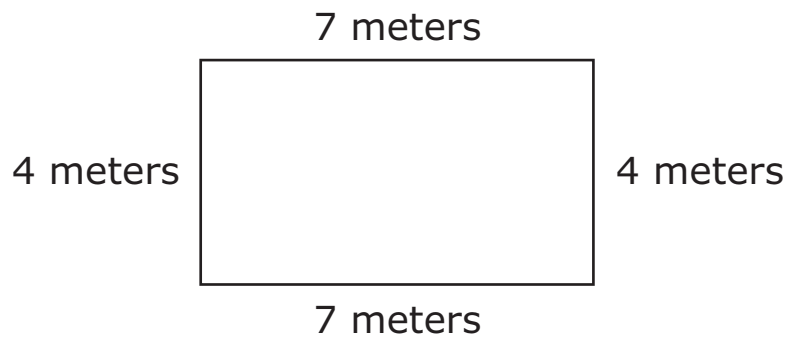
Will these 4 books fit on Lily's shelf? Why or why not?

- A.** Yes, because the total width of the books is 8 inches, which is less than the shelf width
- B.** Yes, because the total width of the books is 6 inches, which is less than the shelf width
- C.** No, because the total width of the books is 8 inches, which is less than the shelf width
- D.** No, because the total width of the books is 12 inches, which is greater than the shelf width

20. Alaysia states that 5 times an even number is always even. Which statement best explains whether Alaysia is correct?

- A.** No, because all multiples of 5 are odd numbers
- B.** Yes, because multiplying by 5 does not change the original number
- C.** No, because 5 is an odd number, and the product of an odd number and an even number is odd
- D.** Yes, because multiplying an odd number by an even number results in an even product

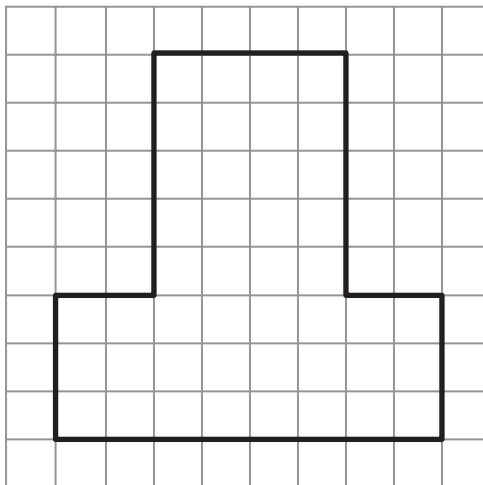
- 21.** A rectangle is shown.



What is the perimeter, in meters, of the rectangle?

Enter your answer in the box.

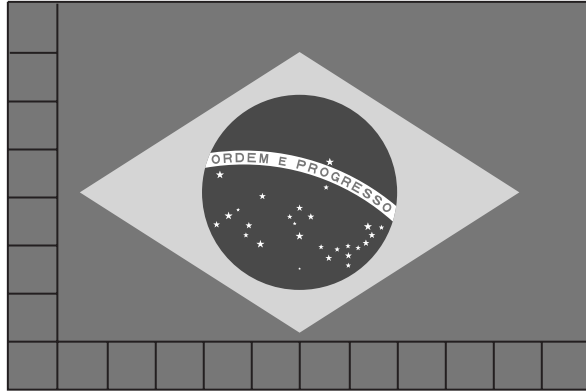
- 22.** A diagram of the playground at a park is shown. Each unit square in the diagram represents 1 square yard.



- What is one way to find the area of the playground?
- What is the area of the playground?
- How do you know what units to use for the area of the playground?

Enter your answer in the space provided. Show all your work to support your answer.

- 23.** Pedro is making a replica of the Brazilian flag. He is tiling the flag with unit squares that each have an area of 1 square foot.



- How many unit squares will Pedro use to completely cover the flag without gaps or overlaps?
- How can Pedro use tiling to find the area of the flag?
- How can Pedro use multiplication to find the area of the flag?
- Pedro separates the flag into two smaller rectangles with lengths of 10 units and 2 units. The widths each of these smaller rectangles is 8 units. Write an expression to find the area of the flag.

Enter your answer in the space provided. Show all your work to support your answer.



Please let your teacher know that you have completed your test.



