

**Spring 2025**

GRADE 4  
**MATHEMATICS**

## Mathematics

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M18\_E665\_2

1. Oscar started with 14 meters of ribbon. He cut off and used a piece of ribbon that was  $9\frac{1}{4}$  meters long. What was the length of the ribbon he had left?
- A.  $4\frac{1}{4}$  meters
- B.  $4\frac{3}{4}$  meters
- C.  $5\frac{1}{4}$  meters
- D.  $5\frac{3}{4}$  meters

PTM0408\_200

2. To find the product of 75 and 43, find the sum of the partial products  $15 + 210 + \underline{\quad?} + 2,800$  to get 3,225.

What is the value of the missing partial product?

Enter your answer in the space.

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PTM0427

- 3.** Greendale Elementary School students are taking a field trip. There are 6 classes with 25 students each and 1 class with 22 students. Each bus can hold 45 students.
- Write an equation to represent the number of buses needed for the field trip,  $x$ .
  - How many buses will the school need for the field trip?
  - How did you interpret the remainder to find the number of buses the school needs?

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

PTM0407\_5523

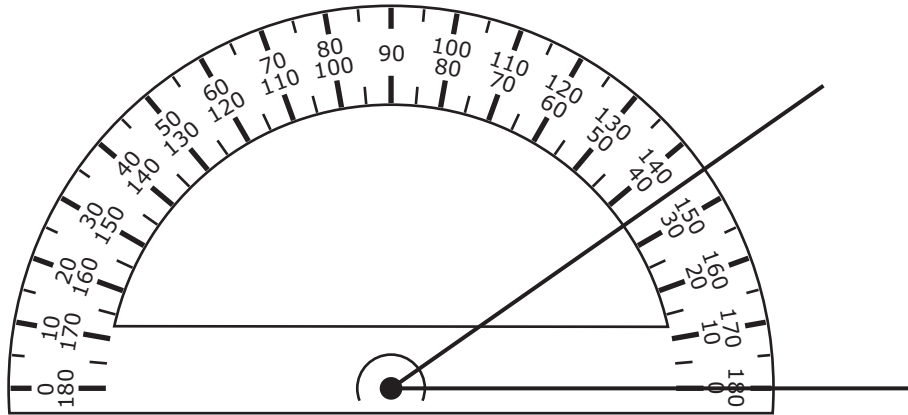
- 4.** What is the sum of 3,054 and 2,469?

Enter your answer in the box.

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PTM0404\_1

5. An angle is shown with a protractor.



What is the measure of the angle, in degrees?

- A.  $35^\circ$
- B.  $45^\circ$
- C.  $145^\circ$
- D.  $155^\circ$

PTM0414

6. Hector wants to find the sum of  $\frac{4}{10}$  and  $\frac{5}{100}$ .

Hector adds 4 and 5 and says the answer is  $\frac{9}{100}$ .

There is an error in Hector's work.

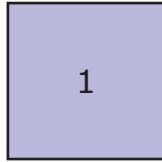
- Explain the error Hector made.
- Find the correct answer.
- Show work or explain how to determine the answer.

Enter your answer and your explanation in the space.

M18\_B031\_2

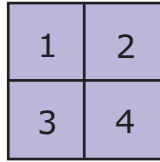
7. Evelyn made a pattern using squares. She started with 1 square. Each figure that follows has one more row of squares and one more column of squares than the previous figure.

Figure 1



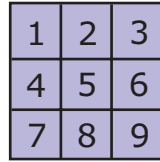
1 square

Figure 2



4 squares

Figure 3



9 squares

How many squares will Evelyn need to form Figure 6 in the pattern?

- A. 49
- B. 36
- C. 25
- D. 16

PTM0417\_8:3

8. This question has two parts.

A camp counselor at a multicultural summer camp has 75 granola bars that she wants to share evenly among the 9 children in her group. She plans to keep any that are left over for herself.

**Part A**

How many granola bars will each child receive?

Enter your answer in the space.

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**Part B**

How many granola bars will the camp counselor keep?

Enter your answer in the space.

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PTM0416\_3

9. A chef served 359 portions of grilled salmon at the Native American Food Festival. Each portion of salmon was 4 ounces.

How many ounces of salmon did the chef serve?

- A. 1,077 ounces
- B. 1,406 ounces
- C. 1,436 ounces
- D. 1,795 ounces

PTM0402\_72

**10.** What is the number of inches in 6 feet?

Enter your answer in the space.

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PTM0411\_P\_5,1

**11.** Compare the fractions.

Select **two** correct answers.

**A.**  $\frac{3}{5} < \frac{5}{6}$

**B.**  $\frac{3}{5} > \frac{5}{6}$

**C.**  $\frac{3}{5} = \frac{5}{6}$

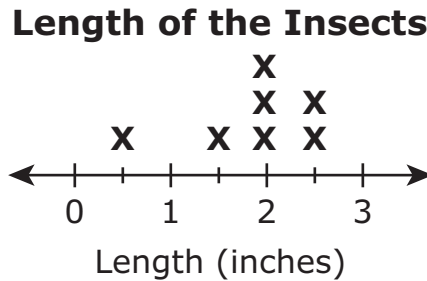
**D.**  $\frac{3}{8} < \frac{1}{4}$

**E.**  $\frac{3}{8} > \frac{1}{4}$

**F.**  $\frac{3}{8} = \frac{1}{4}$

PTM0423\_2

12. Sam starts an insect collection. The length of each insect is shown in the line plot in inches.



What is the difference in length in inches between the longest and shortest insects in Sam's collection?

Enter your answer in the space.

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PTM0405\_2

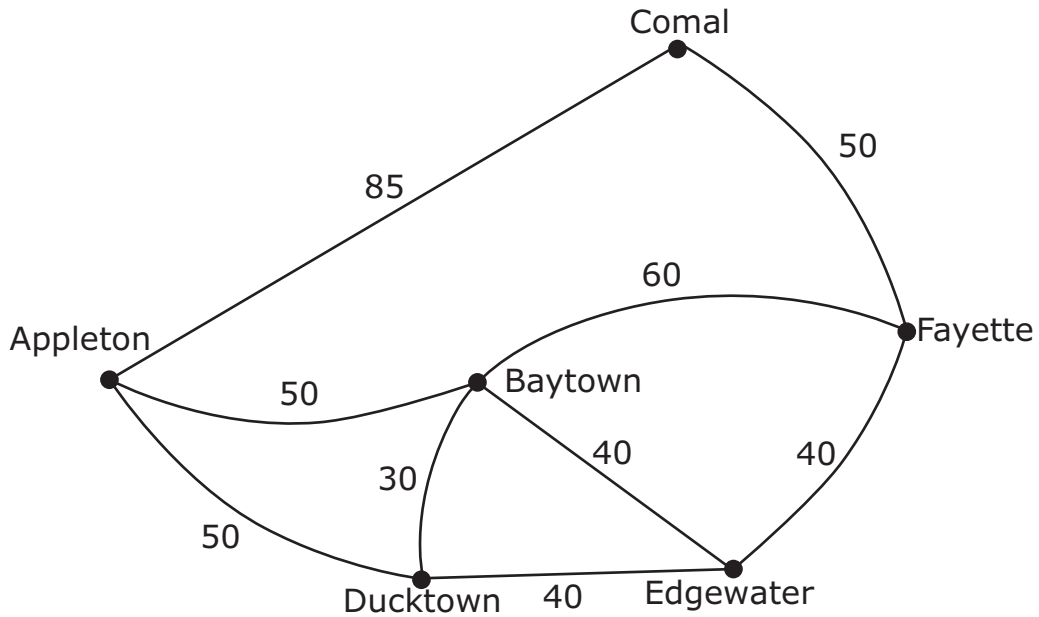
13. How does the digit 6 in the number 56,819 relate to the digit 6 in the number 467?
- A. It is 10 times as great.
  - B. It is 100 times as great.
  - C. It is 10 times less.
  - D. It is 100 times less.



## Mathematics

M18\_B184\_4

- 14.** The figure shows the locations of the towns of Appleton, Baytown, Comal, Ducktown, Edgewater, and Fayette and the roads between them. The distances shown are in miles.



Which of these is the shortest route from Comal to Ducktown?

- A.** Comal to Appleton to Ducktown
- B.** Comal to Fayette to Baytown to Ducktown
- C.** Comal to Appleton to Baytown to Ducktown
- D.** Comal to Fayette to Edgewater to Ducktown

PTM0420

- 15.** There are 12 girls and boys at a quinceañera, where  $\frac{3}{4}$  of them are girls and  $\frac{1}{4}$  are boys. Each girl ate  $\frac{1}{4}$  of a pizza, and each boy ate  $\frac{1}{2}$  of a pizza.
- Show how to find the number of girls and boys at the quinceañera.
  - Show how to find the amount of pizza the girls ate and the amount of pizza the boys ate.
  - Did the girls or boys eat more pizza? How do you know?

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

PTM0428\_:

- 16.** This question has two parts.

**Part A**

Some students were comparing the fractions  $\frac{2}{4}$  and  $\frac{1}{2}$ .

Jace claimed that  $\frac{2}{4}$  is greater than  $\frac{1}{2}$  because 2 is greater than 1.

- Explain why Jace's reasoning is incorrect.
- What is the correct comparison of  $\frac{2}{4}$  and  $\frac{1}{2}$ ?

Enter your explanation and your answer in the space provided.

**Part B**

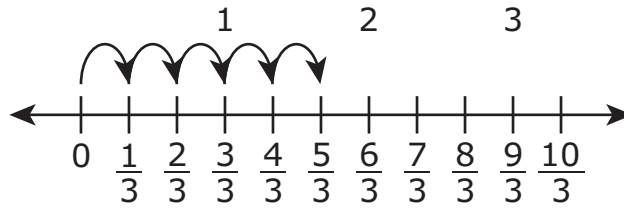
The students were also comparing the fractions  $\frac{3}{5}$  and  $\frac{3}{7}$ . Catherine claimed that  $\frac{3}{5}$  is less than  $\frac{3}{7}$  because 5 is less than 7.

- Explain why Catherine's reasoning is incorrect.
- What is the correct comparison of  $\frac{3}{5}$  and  $\frac{3}{7}$ ?

Enter your answer and your explanation in the space provided.

PTM0413\_1

17. What expression is represented by the number line?



- A.  $\frac{1}{3} \times 5$
- B.  $\frac{1}{3} \times 4$
- C.  $5 \times \frac{1}{2}$
- D.  $4 \times \frac{1}{2}$

PTM0406\_3

18. The number of people in attendance at the German Heritage Festival was 18,769.

What is the number of attendees rounded to the nearest hundred?

- A. 20,000
- B. 19,000
- C. 18,800
- D. 18,770

PTM0421\_:

**19. Part A**

Every morning, a restaurant worker stocks 8 shelves with beans. She puts 3 cans of pinto beans and 8 cans of black beans on each shelf.

- Write an equation that can be used to find the total number of cans of beans the restaurant worker stocks on shelves each morning.
- What is the total number of cans of beans?
- Show your work or explain how you determined your answer.

Enter your answer and your work in the space.

**Part B**

Every morning, the restaurant worker also stocks 6 shelves with rice. She puts 7 bags of white rice and 3 bags of brown rice on each shelf.

- Write an equation that can be used to find the total number of bags of rice the restaurant worker stocks on shelves each morning.
- What is the total number of bags of rice?
- Show your work or explain how you determined your answer.

Enter your answer and your work in the space.

PTM0412\_2:3

**20.** This question has two parts.

Devon bought a replica model of the Golden Gate Bridge. He used three different colors of paint to paint the model. He used  $\frac{3}{8}$  gallon of red paint,  $\frac{7}{8}$  gallon of blue paint, and  $\frac{2}{8}$  gallon of green paint.

**Part A**

How much red paint and green paint did Devon use?

- A.  $\frac{1}{8}$  gallon
- B.  $\frac{5}{8}$  gallon
- C.  $\frac{9}{8}$  gallons
- D.  $\frac{10}{8}$  gallons

**Part B**

How much more blue paint did Devon use than green paint?

- A.  $\frac{10}{8}$  gallons
- B.  $\frac{9}{8}$  gallons
- C.  $\frac{5}{8}$  gallon
- D.  $\frac{4}{8}$  gallon

PTM0418

**21.** Olivia has \$20. She earns \$12 each hour for doing chores. She does chores for 4 hours. Olivia wants to buy as many \$8 shirts as she can.

- Write an equation to find the number of \$8 shirts Olivia can buy,  $s$ .
- How many \$8 shirts can Olivia buy?
- How did you interpret the remainder to find the number of \$8 shirts Olivia can buy?

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

PTM0424\_4

**22.** Which statement about angles is true?

- A.** Angles are always between 0 and 90 degrees.
- B.** Angles are formed whenever three rays share a common endpoint.
- C.** Angles that turn through  $\frac{1}{2}$  of a circle are called "one-degree angles."
- D.** Angles are formed whenever two rays share a common endpoint.

PTM0403\_22

**23.** Kyle builds a rectangular vegetable planter that is 45 inches long and has a perimeter of 134 inches.

How many inches wide is Kyle's vegetable planter?

Enter your answer in the space.

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## Mathematics

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PTM0409\_20

- 24.** To find the quotient of 984 divided by 8, find the sum of the partial quotients shown to get 123.

$$\begin{array}{r} 3 \\ \boxed{?} \\ 100 \\ 8 \overline{)984} \\ \underline{-800} \\ 184 \\ \underline{-160} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

What is the value of the missing partial quotient?

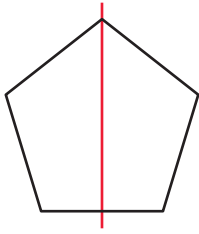
Enter your answer in the space.

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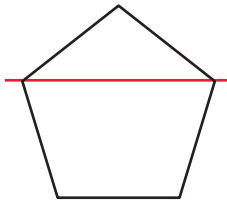
PTM0401\_1

25. Which shape includes a line of symmetry?

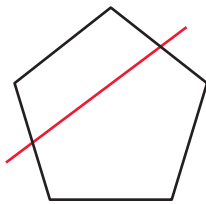
A.



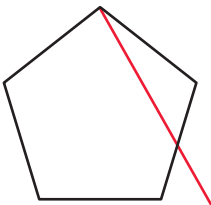
B.



C.



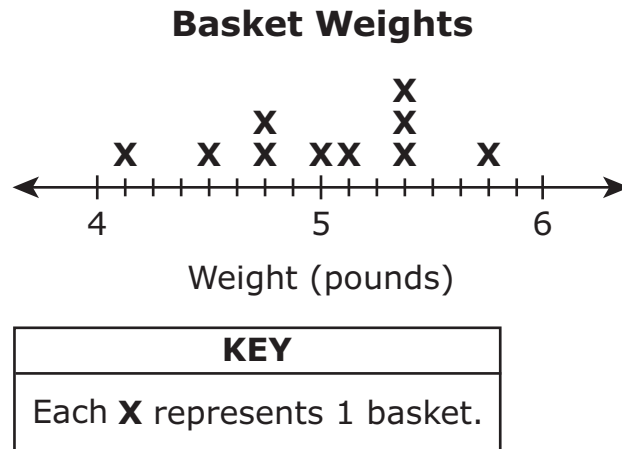
D.





4M23\_090\_2

26. The line plot shows the weights, in pounds, of 10 baskets of berries for sale at a farm stand.



Rohan bought the 6 heaviest baskets of berries. What is the total weight of all the baskets of berries Rohan bought?

- A.  $32\frac{3}{8}$  pounds
- B. 32 pounds
- C.  $30\frac{4}{8}$  pounds
- D. 27 pounds

PTM0415\_3,1

**27.** Which comparisons are true?

Select **two** correct answers.

**A.**  $1.2 > 0.18$

**B.**  $0.9 < 0.09$

**C.**  $0.04 < 0.15$

**D.**  $0.37 > 0.4$

**E.**  $5.86 < 5.09$



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



