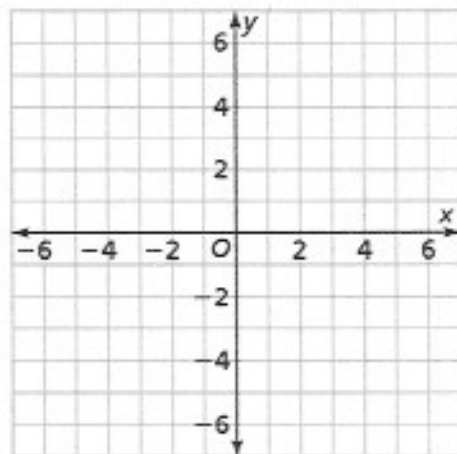


Name \_\_\_\_\_

1. Find the quotient.

$$\frac{7}{8} \div 2\frac{1}{4} =$$

2. Graph and label the points  $A(-2\frac{1}{2}, 0.5)$ ,  $B(2, 5\frac{1}{2})$ , and  $C(3.5, -4\frac{1}{2})$  on the coordinate plane below.

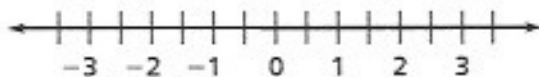


3. Colleen has a bank account balance of \$16.43. Toby has a bank account balance of  $-\$10.21$ . Yosef has a bank account balance of \$8.98. Select all the statements that are true.

- Colleen has the most money in her bank account.
- Toby has more money than Colleen.
- Yosef has less money than Toby.
- Toby's balance is further from \$0 than Yosef's balance.
- Colleen's balance is further from \$0 than Toby's balance.

4. A baker has  $1\frac{3}{4}$  cups of sprinkles to spread on cupcakes. Each cupcake needs  $\frac{1}{8}$  cup of sprinkles. How many cupcakes can the baker sprinkle?

5. Graph and label point  $A$  at  $2\frac{1}{2}$ , point  $B$  at  $-2.75$ , and point  $C$  at  $-0.25$  on the number line below.



6. The table shows the low temperatures in four cities on Saturday.

City	Temperature (°C)
Alford	-2.5
Gainesville	-0.4
Follett	-6.1
Fowlerton	3.4

**Part A**

Write each temperature in a box below to show the order from coldest to warmest.

<  <  <

**Part B**

Explain how you could use a number line to order the temperatures.

7. Luke hiked  $6\frac{1}{4}$  miles. Joana hiked  $2\frac{1}{5}$  times as far. How far did Joana hike?

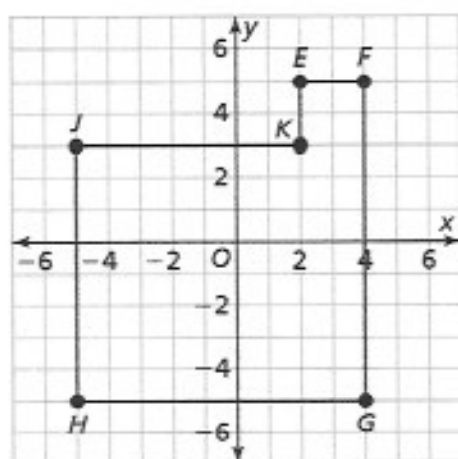
8. Which expression is **NOT** equal to 28?

- (A)  $1,288 \div 46$   
 (B)  $1,820 \div 65$   
 (C)  $1,456 \div 52$   
 (D)  $1,107 \div 41$

9. Select all the inequalities that are true.

- $1\frac{3}{5} \times \frac{1}{3} > 1\frac{3}{5}$   
  $1\frac{2}{3} \times 1\frac{3}{5} > 1\frac{3}{5}$   
  $\frac{3}{4} \times 1\frac{3}{5} < 1\frac{3}{5}$   
  $1\frac{3}{5} \times 1\frac{1}{4} < 1\frac{3}{5}$   
  $1\frac{3}{5} \times \frac{3}{2} < 1\frac{3}{5}$

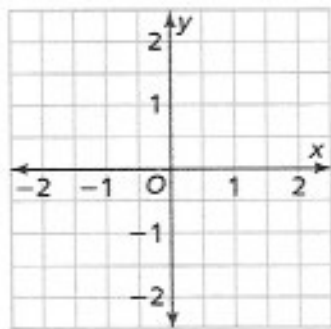
10. What is the perimeter, in units, of polygon *EFGHJK*? Show your work.



11. Which expression has a quotient of 61?

(A)  $2,914 \div 47$   
(B)  $4,650 \div 75$   
(C)  $3,276 \div 52$   
(D)  $5,063 \div 83$

12. Clara drew a map of her school on a coordinate plane. The computer lab is at  $J(2, 1\frac{1}{2})$ , the band room is at  $K(-1\frac{3}{4}, -2)$ , and her math class is at  $L(1\frac{3}{4}, -1\frac{1}{2})$ . Graph and label each point on the coordinate plane.



13. Paul makes \$11.75 an hour at his job. This week, he worked 20 hours. How much did he make this week?

(A) \$220.00      (C) \$235.00  
(B) \$225.00      (D) \$240.00

14. What number is  $\frac{1}{10}$  the value of 237?

15. The table shows the temperatures in different cities around the world.

City	Temperature (°C)
Danville	-22
Somerville	-6
Ulsan	15
Keflavik	-13
Smithfield	18

**Part A**

Order the temperatures from coldest to warmest.

**Part B**

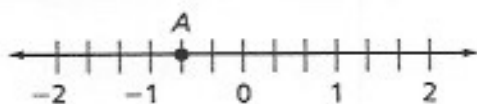
Order the absolute values of the temperatures from least to greatest.

16. Which expression is equivalent to  $735 \div 100$ ?

(A)  $7.35 \div 1,000$   
(B)  $735 \times 0.01$   
(C)  $735 \times 0.001$   
(D)  $73.5 \div 100$

17. Jason is 4.52 feet tall. His sister is 0.75 times his height. How tall is his sister? Show your work.

18. Which rational number corresponds to point A on the number line?



- (A)  $-\frac{1}{3}$       (C)  $-1\frac{1}{3}$   
(B)  $-\frac{2}{3}$       (D)  $-1\frac{2}{3}$

19. Point E is located at  $(-5, 2)$ . Point M is the reflection of point E across the y-axis. What is the distance between E and M? In what quadrant is point M?

20. The table shows masses of different types of nuts that Nathan buys. He plans to mix the nuts and then separate them into bags. Each bag will have 1.2 kg of nuts in it. He wants to know how many bags of mixed nuts he can fill.

Type of Nut	Mass (kg)
Almonds	3.64
Cashews	2.79
Peanuts	3.44
Pine Nuts	2.73

**Part A**

Explain the steps you need to take to solve this problem.

**Part B**

How many bags of mixed nuts will Nathan fill? How can you tell the last bag will be only partially filled?

21. What is the value of  $780 \div 60$ ?

22. Nina bought 3.45 pounds of walnuts and 1.83 pounds of almonds. How many more pounds of walnuts did she buy than almonds?

23. Order these absolute values from least to greatest. Explain.

$|11|$ ,  $|-8|$ ,  $|-2|$ ,  $|5|$ ,  $|-12|$

24. For each pair of coordinates, choose a box to tell whether the coordinates are reflections across the  $x$ -axis or the  $y$ -axis.

Coordinates	Reflection across $x$ -axis	Reflection across $y$ -axis
$(-3, 5), (3, 5)$	<input type="checkbox"/>	<input type="checkbox"/>
$(-7, -4), (-7, 4)$	<input type="checkbox"/>	<input type="checkbox"/>
$(6, -8), (-6, -8)$	<input type="checkbox"/>	<input type="checkbox"/>
$(2, -9), (2, 9)$	<input type="checkbox"/>	<input type="checkbox"/>

25. The height of a stack of 12 pennies is 18.24 millimeters. What is the thickness of each penny? Show your work.

26. Find the product of  $\frac{3}{8}$  and  $\frac{4}{5}$ . Draw a model to explain your work.

27. What is the value of  $10.5 \div 2.5$ ?

28. Write the product in the box. Then explain how you determined where to place the decimal point in your answer.

$3.72 \times 8.4 =$

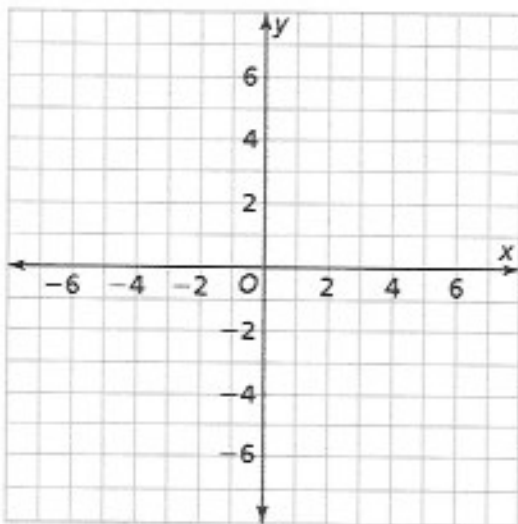
29. A trucker traveled an average of 48.6 miles each hour on a 583.2-mile trip. For how many hours did the trucker travel?

30. Vince uses a coordinate plane to map an amusement park. The ordered pairs below are locations of entrances to different rides at the park.

$A(-7, 7)$      $B(6, 7)$      $C(6, -2)$   
 $D(3, -2)$      $E(3, -6)$      $F(-7, -6)$

**Part A**

Graph and label the ordered pairs. Then connect the points to show the path around the park.



**Part B**

What is the length of the path on the grid?