

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Chapter 1 Test Review

1. Five students each drew a pool ball, labeled with integers, from a brown paper bag. Order the integers from greatest to least.

Student	Pool Ball
Jordan	-8
Samantha	4
Michael	-2
Mary	8
Tommy	-10

2. Which list shows the temperatures in order from warmest to coldest?

F 12°F, -6°F, -2°F, 1°F, 0°F

G 12°F, 1°F, 0°F, -2°F, -6°F

H 12°F, 1°F, -6°F, -2°F, 0°F

J 12°F, 1°F, -2°F, -6°F, 0°F

3. To which set of numbers does  $-\frac{8}{5}$  belong?

A rational

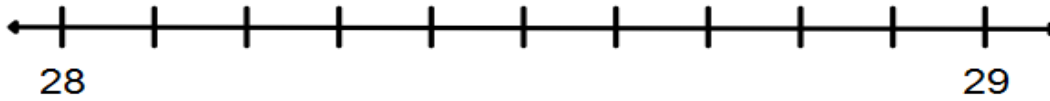
B integer

C integer and rational

D whole and rational

4. Place the following numbers correctly on the number line provided.

$$28.1, \quad 28\frac{3}{4}, \quad 28.05, \quad 28\frac{1}{4}$$



Which number will be closer to 28?

Record your answer on the answer grid.

Be sure to use the correct place value.

					.		
+	0	0	0	0		0	0
-	1	1	1	1		1	1
	2	2	2	2		2	2
	3	3	3	3		3	3
	4	4	4	4		4	4
	5	5	5	5		5	5
	6	6	6	6		6	6
	7	7	7	7		7	7
	8	8	8	8		8	8
	9	9	9	9		9	9

5. The winter temperatures in New England were recorded four months in a row.

Temperatures in New England

Month	Temperature
December	-1.15°C
January	-1.05°C
February	-1.2°C
March	-1.28°C

Which list shows the months in order from the warmest temperature to the coldest temperature in degrees Celsius?

- F March, December, January, February
- G January, December, February, March
- H March, February, December, January
- J February, December, January, March

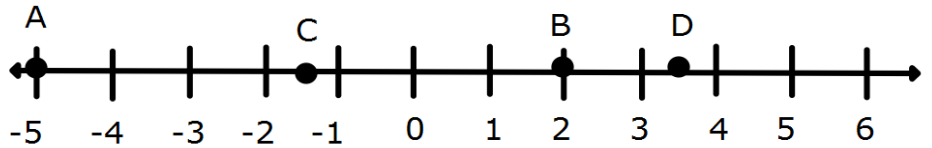
6. Jonathan placed the following points on the number line:

Point A:  $-\frac{25}{5}$

Point B:  $\frac{14}{7}$

Point C:  $-\frac{10}{4}$

Point D:  $\frac{7}{2}$



Which point is NOT correctly placed on this number line?

F Point A

G Point C

H Point B

J Point D

7. Use the model below to answer the question.

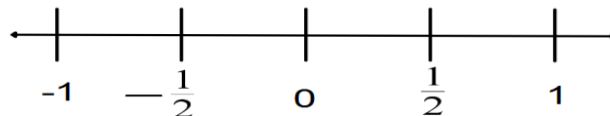
Which of the following numbers is less than  $-\frac{2}{3}$ ?

F  $-\frac{1}{2}$

G  $\frac{1}{3}$

H  $-\frac{7}{8}$

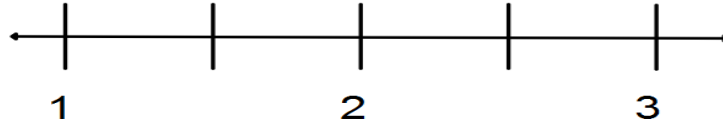
J  $-\frac{1}{6}$



8. Teresa collected water samples to compare amounts of rainfall.

$\frac{3}{2}$  in.,  $2\frac{1}{4}$  in., **1.08 in.**, or **2.2 in.** ?

Which of Teresa's measurements is closest to 2 inches of rainfall?



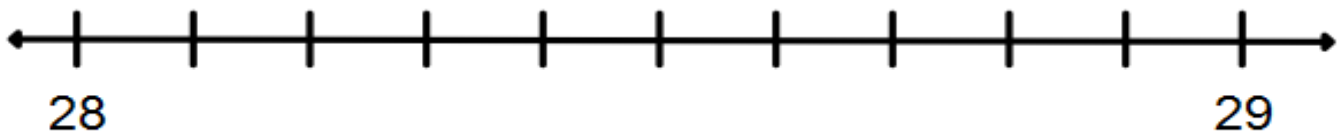
Record your answer on the answer grid.

Be sure to use the correct place value.

					.		
+	0	0	0	0		0	0
-	1	1	1	1		1	1
	2	2	2	2		2	2
	3	3	3	3		3	3
	4	4	4	4		4	4
	5	5	5	5		5	5
	6	6	6	6		6	6
	7	7	7	7		7	7
	8	8	8	8		8	8
	9	9	9	9		9	9

9. Sue will correctly label the numbers 28.4, 28.75, 28.05, and 28.25 on the number line below.

Which number will be located closer to 29?



- A 28.4
- B 28.25
- C 28.05
- D 28.75

10. Garrett will use six different colored wires for a kite project. The fractions represent the length of these wires in inches.

$$\frac{3}{16}', \frac{7}{8}', \frac{2}{16}', \frac{1}{2}', \frac{3}{4}', \frac{3}{8}$$

Which list shows the lengths of the wire in order from least to greatest?

F  $\frac{2}{16}', \frac{3}{16}', \frac{3}{8}', \frac{1}{2}', \frac{3}{4}', \frac{7}{8}$

G  $\frac{7}{8}', \frac{3}{4}', \frac{1}{2}', \frac{3}{8}', \frac{3}{16}', \frac{1}{16}$

H  $\frac{3}{16}', \frac{2}{16}', \frac{3}{8}', \frac{1}{2}', \frac{7}{8}', \frac{3}{4}$

J  $\frac{3}{4}', \frac{7}{8}', \frac{3}{8}', \frac{2}{16}', \frac{1}{2}', \frac{3}{16}$

11. Daunte lost 6 yards in the first quarter of the football game. In the second quarter, he gained 10 yards.

Which integer represents the opposite of Daunte's yardage in the second quarter?

\*Record your answer on the answer grid.

Be sure to use the correct place value.

					.		
+	0	0	0	0		0	0
-	1	1	1	1		1	1
	2	2	2	2		2	2
	3	3	3	3		3	3
	4	4	4	4		4	4
	5	5	5	5		5	5
	6	6	6	6		6	6
	7	7	7	7		7	7
	8	8	8	8		8	8
	9	9	9	9		9	9

12. Mrs. Luke has 4 bottles of paint. She wants to start using the largest bottle first and end with the smallest bottle. The sizes of her bottles are -1.9 ounces,  $1\frac{1}{4}$  ounces, 1.37 ounces, and  $-2\frac{3}{4}$  ounces.

Which show the sizes of paint arranged in order from greatest to least?

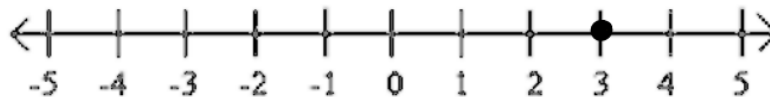
A  $1.37, 1\frac{1}{4}, -1.9, -2\frac{3}{4}$

B  $-2\frac{3}{4}, -1.9, 1\frac{1}{4}, 1.37$

C  $1\frac{1}{4}, 1.37, -1.9, -2\frac{3}{4}$

D  $1\frac{1}{4}, 1.37, -2\frac{3}{4}, -1.9$

13. Which number is the opposite of the number shown on the number line?



F 3

G 5

H -5

J -3

14. Which number is NOT an integer?

A 3.9

B -15

C 0

D 4

15. The table shows the distance four students run every day after school to prepare for track.

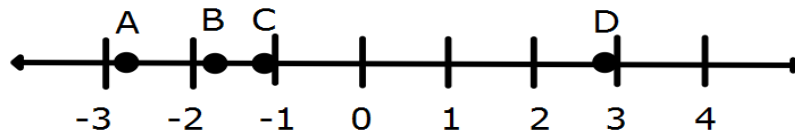
**Distance ran by students**

Name	Distance (hours)
Randy	$2\frac{7}{12}$ mile
Juan	$2\frac{2}{3}$ miles
Nabian	$2\frac{1}{2}$ miles
Sergio	$2\frac{1}{4}$ miles

From least distance ran to greatest distance ran, which list correctly names the students in order by distance from least to greatest?

- F. Sergio, Nabian, Randy, Juan
- G. Randy, Juan, Nabian, Sergio
- H. Nabian, Juan, Sergio, Randy
- J. Juan, Randy, Nabian, Sergio

16. Which of the following best describes the location of -2.8 on the number line?



- A Point A
- B Point B
- C Point C
- D Point D

17. Four stores are having sales. The table shows the price reduction at each store.

**Store Sales**

Store Name	Price Reduction (Percentage)
Bass Pro	$\frac{1}{4}$
Gander Mt	.20
Cabelas	.30
Academy	$\frac{3}{5}$

Which list shows the price reductions from least savings to the greatest savings?

F .20, .30,  $\frac{1}{4}$ ,  $\frac{3}{5}$

G  $\frac{1}{4}$ , .20, .30,  $\frac{3}{5}$

H .20,  $\frac{1}{4}$ , .30,  $\frac{3}{5}$

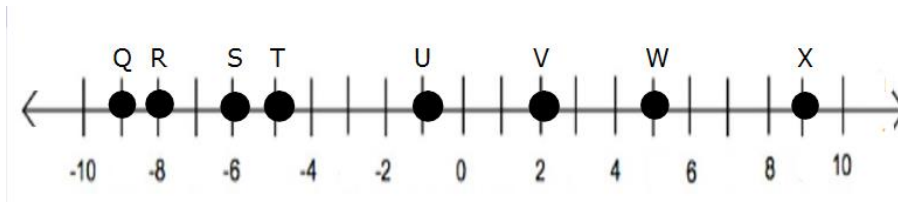
J  $\frac{3}{5}$ , .20, .30,  $\frac{1}{4}$

18. Which of the following statements is true for the number 25?

- A It is a whole number, an integer, and a rational number.
- B It is a rational number, but not a whole number or integer.
- C It is not a whole number, an integer, or a rational number.
- D It is a whole number, but not an integer or rational number.



**Use the number line to answer questions 19 and 20.**



19. Which statement is true about the number line?

- F Points U and V represent opposite integers.
- G The value of point T is equivalent to the absolute value of point V.
- H The value of point R is the opposite of the value of point W.
- J The absolute value of point Q is the same as the absolute value of point X.

20. Which integer is the opposite of the value of point W?

- A 5
- B 2
- C -5
- D -2

21. Which number on the number line is NOT classified as a whole number?



Record your answer and fill in the bubbles on your answer document.

Be sure to use the correct place value.

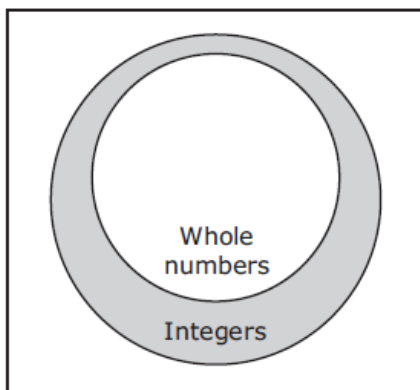
					.		
<input type="radio"/> +	<input type="radio"/> 0	<input type="radio"/> 0	<input type="radio"/> 0	<input type="radio"/> 0		<input type="radio"/> 0	<input type="radio"/> 0
<input type="radio"/> -	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 1		<input type="radio"/> 1	<input type="radio"/> 1
	<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> 2		<input type="radio"/> 2	<input type="radio"/> 2
	<input type="radio"/> 3	<input type="radio"/> 3	<input type="radio"/> 3	<input type="radio"/> 3		<input type="radio"/> 3	<input type="radio"/> 3
	<input type="radio"/> 4	<input type="radio"/> 4	<input type="radio"/> 4	<input type="radio"/> 4		<input type="radio"/> 4	<input type="radio"/> 4
	<input type="radio"/> 5	<input type="radio"/> 5	<input type="radio"/> 5	<input type="radio"/> 5		<input type="radio"/> 5	<input type="radio"/> 5
	<input type="radio"/> 6	<input type="radio"/> 6	<input type="radio"/> 6	<input type="radio"/> 6		<input type="radio"/> 6	<input type="radio"/> 6
	<input type="radio"/> 7	<input type="radio"/> 7	<input type="radio"/> 7	<input type="radio"/> 7		<input type="radio"/> 7	<input type="radio"/> 7
	<input type="radio"/> 8	<input type="radio"/> 8	<input type="radio"/> 8	<input type="radio"/> 8		<input type="radio"/> 8	<input type="radio"/> 8
	<input type="radio"/> 9	<input type="radio"/> 9	<input type="radio"/> 9	<input type="radio"/> 9		<input type="radio"/> 9	<input type="radio"/> 9

22. Sandy wrote an integer. The opposite of Sandy's integer is 45. Which of these statements about Sandy's integer must be true?

- I. The integer is 45.
- II. The integer has an absolute value of 45.
- III. The integer is -45.
- IV. The integer has an absolute value of -45.

- A** I and II
- B** II and IV
- C** II and III
- D** I and IV

23. The Venn diagram shows the relationship among different sets of numbers.



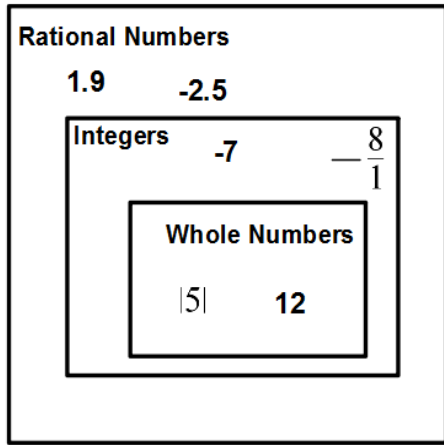
Which number would be located in the shaded part of the diagram?

- F -2.3
- G  $\frac{1}{2}$
- H 15
- J -7

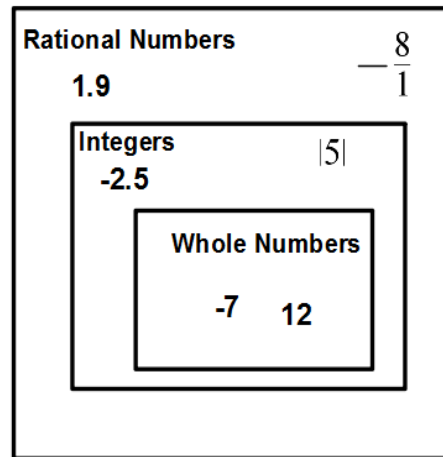
24. Which graphic organizer correctly groups the following numbers?

**1.9, -2.5,  $-\frac{8}{1}$ ,  $|5|$ , 12, -7**

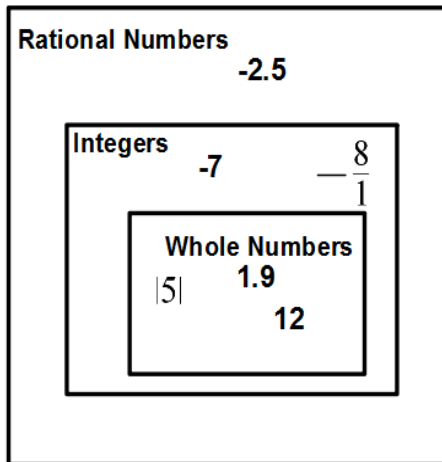
A



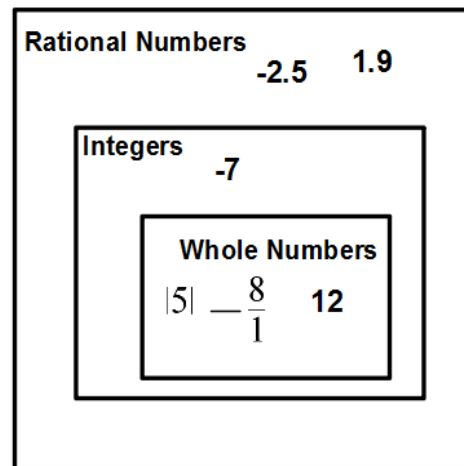
C



B



D



25. Which list shows the numbers in order from least value to greatest value?

F  $-\frac{1}{5}$  -2.47  $-2\frac{2}{3}$  1  $\frac{15}{4}$

G  $-\frac{1}{5}$  -2.47  $-2\frac{2}{3}$   $\frac{15}{4}$  1

H  $-2\frac{2}{3}$  -2.47  $-\frac{1}{5}$   $\frac{15}{4}$  1

J  $-2\frac{2}{3}$  -2.47  $-\frac{1}{5}$  1  $\frac{15}{4}$