

Name: Answer Key Date: _____

Chapter 1 Test Review

1. Five students each pulled a piece of paper from a bag with an integer written on it. The student with the largest integer would be last to lunch. Order the integers from greatest to least.

Student	Integer
Jordan	-8
Samantha	4
Michael	-2
Mary	8
Tommy	-10

8, 4, -2, -8, -10

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

~~F~~ -6°F, -2°F, 0°F, 1°F, 12°F

G 12°F, 1°F, 0°F, -2°F, -6°F

~~H~~ 0°F, -2°F, -6°F, 1°F, 12°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, $28\frac{3}{4}$, 28.05, $28\frac{1}{4}$



Which number will be closer to 28?

Record your answer on the answer grid.

Be sure to use the correct place value.

28.00
28.05 ←
28.10
28.25
28.75
29.00

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

OR
Greatest to least

- ~~F~~ March, December, January, February
- G** January, December, February, March
- ~~H~~ March, February, December, January
- ~~X~~ January, February, December, March

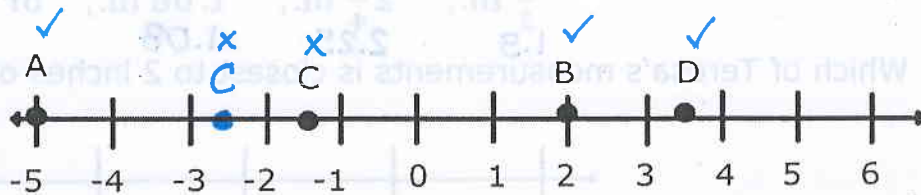
6. Jonathan placed the following points on the number line:

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

Point B: $\frac{14}{7} = 2$

Point C: $-\frac{10}{4} = -2.5$

Point D: $\frac{7}{2} = 3.5$



Which point is NOT correctly placed on this number line?

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

7. Use the model below to answer the question.

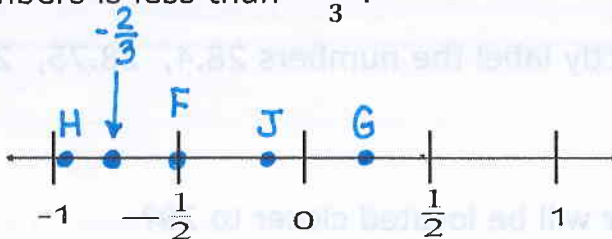
Which of the following numbers is less than $-\frac{2}{3}$?

$-\frac{1}{2}$

$\frac{1}{3}$

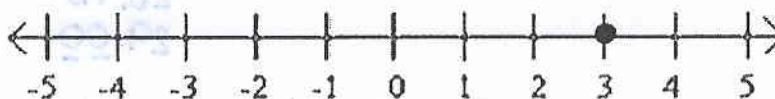
$-\frac{7}{8}$

$-\frac{1}{6}$



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

- 3
- 3
- 5
- 5



9. 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.?
 1.5 2.25 1.08 2.2

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



Record your answer on the answer grid.

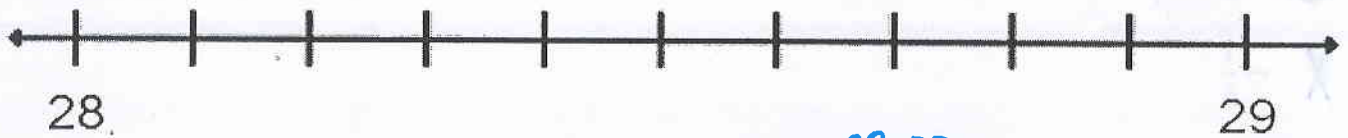
Be sure to use the correct place value.

$\begin{array}{r} 1.00 \\ 1.08 \\ 1.50 \\ * 2.00 \\ 2.20 \\ 2.25 \end{array}$
 } difference of 0.5
 difference of 0.2

+				2	.	2	
-	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

10. 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

$\begin{array}{r} 28.00 \\ 28.05 \\ 28.25 \\ 28.40 \\ 28.75 \\ 29.00 \end{array}$

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

$$\frac{3}{16'}, \frac{7 \times 2}{8 \times 2} = \frac{14}{16'}, \frac{2}{16'}, \frac{1 \times 8}{2 \times 8} = \frac{8}{16'}, \frac{3 \times 4}{4 \times 4} = \frac{12}{16'}, \frac{3 \times 2}{8 \times 2} = \frac{6}{16'}$$

common denominators

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

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

OR you can convert them all to decimals and order them by place value

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

+10 → opposite = -10

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.

-				1	0	.		
+	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

13. 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.

-2.75

1.25

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

14. Which number is NOT an integer?

F 3.9

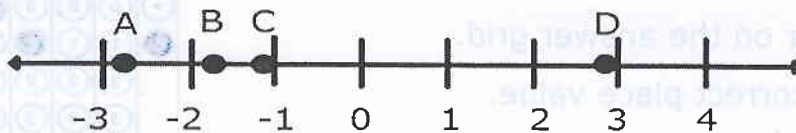
G -15

H 0

J 4

positive & negative numbers without fractions and decimals; also includes zero

15. 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

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

Distance walked by teachers

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

$$\frac{7}{12}$$

$$\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$$

$$\frac{1 \times 6}{2 \times 6} = \frac{6}{12}$$

$$\frac{1 \times 3}{4 \times 3} = \frac{3}{12}$$

All 2, so you can just compare fractions

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
- I. Sergio, Randy, Nabian, Juan

17. 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.

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

Store Sales

Store Name	Price Reduction (Percentage)	
Bass Pro	$\frac{1}{4}$	0.25
Gander Mt	.20	0.20
Cabelas	.30	0.30
Academy	$\frac{3}{5}$	0.60

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

~~F~~ .20, .30, $\frac{1}{4}$, $\frac{3}{5}$ *typo that needed to be corrected*

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

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

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

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

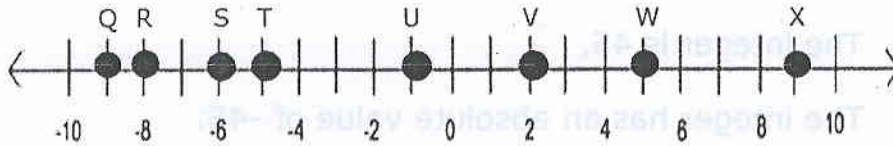
~~A~~ $-\frac{1}{5}$, -2.35, $-2\frac{2}{3}$, 1, $\frac{15}{4}$

~~B~~ $-\frac{1}{5}$, $-2\frac{2}{3}$, -2.35, $\frac{15}{4}$, 1

~~C~~ $-2\frac{2}{3}$, $-\frac{1}{5}$, -2.35, $\frac{15}{4}$, 1

D $-2\frac{2}{3}$, -2.35, $-\frac{1}{5}$, 1, $\frac{15}{4}$

Use the number line to answer questions 20 and 21.



20. 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.

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

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

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



-				3		
+	0	0	0	0	0	0
<input checked="" type="radio"/>	1	1	1	1	1	1
	2	2	2	2	2	2
	3	3	3	<input checked="" type="radio"/>	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

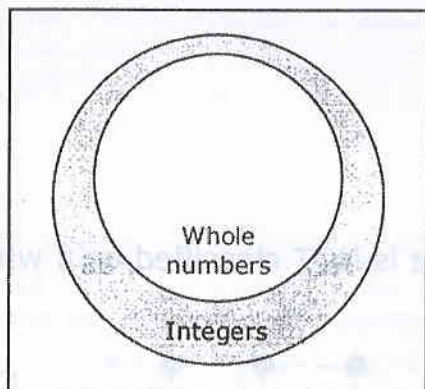
Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

23. 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

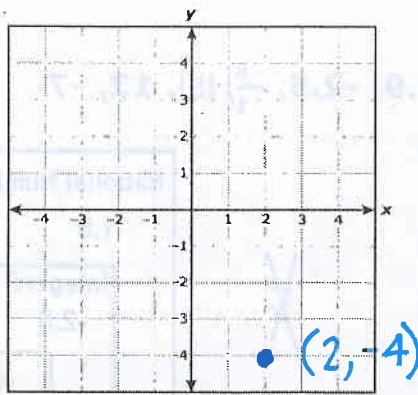
24. The Venn diagram shows the relationship among different sets of numbers.



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

- ~~K~~ -2.3
- ~~G~~ $\frac{1}{2}$
- ~~H~~ 15
- J** -7

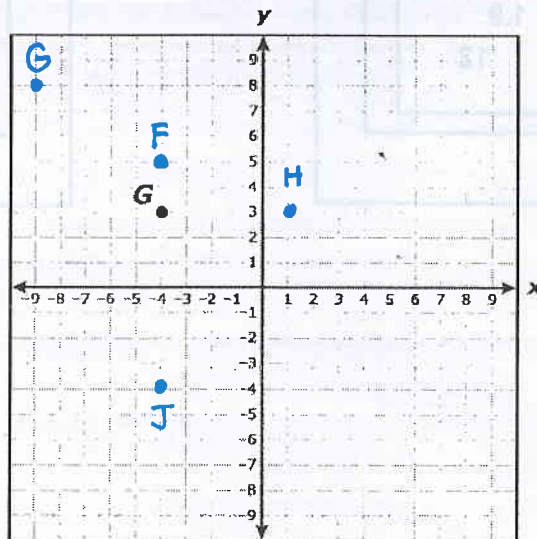
26. A coordinate grid is shown below.



Which ordered pair describes a point that is located 2 units to the right of the origin and 4 units below the x-axis?

- ~~A~~ (-4, 2)
- B** (2, -4)
- ~~C~~ (-2, -4)
- ~~D~~ (4, -2)

27. Ben graphed point *G* on the coordinate grid. He will graph point *H* at a location 7 units away from point *G*.



Which ordered pair could represent the location of point *H*?

- ~~F~~ (-4, 5)
- ~~G~~ (-9, 8)
- ~~H~~ (1, 3)
- J** (-4, -4)