

Study Guide

Write the letter for the correct answer in the blank at the right of each question.

1. Write $-\frac{12}{25}$ as a decimal.

A. -0.52 B. -0.48 C. $2.0\bar{8}$ D. 12.04 1. _____

2. Which of the following is a true statement?

F. $-\frac{5}{6} > -\frac{4}{9}$ G. $4.3 > 4\frac{3}{4}$ H. $13\frac{5}{8} = 13.625$ I. $\frac{5}{9} > 0.\overline{57}$ 2. _____

3. Trent made 11 free throws out of 15 attempts during the basketball game. What was his free-throw average expressed as a decimal?

A. 0.7 B. $0.7\bar{3}$ C. $0.3\bar{7}$ D. $0.\bar{8}$ 3. _____

4. Which set of rational numbers is ordered from least to greatest?

F. $-4.\bar{3}$, $4\frac{1}{4}$, $4\frac{1}{5}$, 4.06 H. $-6\frac{5}{8}$, -6.34, $-6.\bar{3}$, $-6\frac{1}{4}$
G. -0.27 , $-\frac{2}{9}$, $-\frac{2}{3}$, $-0.\bar{1}$ I. $-7\frac{12}{13}$, $-7\frac{13}{15}$, $-7.8\bar{6}$, $-7.\overline{86}$ 4. _____

Evaluate each expression.

5. $|-8|$

A. 8 B. -8 C. 0 D. 4 5. _____

6. $|10 - 3|$

F. -7 G. 10 H. 3 I. 7 6. _____

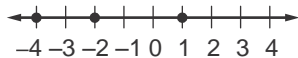
7. $|-14| + |5|$

A. 19 B. 11 C. -11 D. 19 7. _____

8. What is the opposite of -17?

F. -17 G. 17 H. 0 I. $-|17|$ 8. _____

9. Which set of integers is graphed on the number line?



A. $\{-4, -2, -1\}$ C. $\{-4, -1, 2\}$
B. $\{-4, -2, 1\}$ D. $\{-4, 1, 2\}$ 9. _____

Study Guide *(continued)*

For Exercises 10 and 11, use the coordinate plane below.

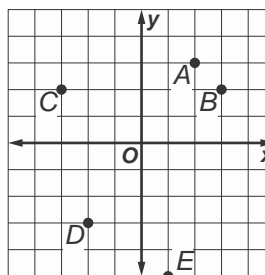
10. Which ordered pair names point E ?

F. $(-1, 5)$

H. $(-5, 1)$

G. $(1, -5)$

I. $(5, -1)$



10. _____

11. Which of the following names the point for the ordered pair $(2, 3)$?

A. point A

C. point C

B. point B

D. point D

11. _____

12. Which situation does the integer -6 best represent?

F. 6 yards behind the winner

H. finding \$6 in a pocket

G. 6 feet above the ground

I. earning \$6

12. _____

Replace each \bullet with $<$, $>$, or $=$ to make a true statement.

13. $9 \bullet -8$

A. $<$

B. $>$

C. $=$

D. $+$

13. _____

14. $6 \bullet -8$

F. $<$

G. $>$

H. $=$

I. $+$

14. _____

15. Which number is less than -3 ?

A. 0

B. 2

C. -2

D. -4

15. _____

16. Order -5 , -7 , 0, and 4 from least to greatest.

F. 0, 4, -5 , -7

H. -7 , -5 , 0, 4

G. -5 , -7 , 0, 4

I. -7 , -5 , 4, 0

16. _____

17. Which quadrant contains the point named by $(2, 5)$?

A. Quadrant I

C. Quadrant III

B. Quadrant II

D. Quadrant IV

17. _____

18. Kira has \$40 to spend and used \$20 to buy a new pair of jeans. Which integer best represents the situation of spending \$20?

F. 20

H. 40

G. -20

I. -40

18. _____

19. Geoffrey used 7 out of his 20 tokens on one game at the arcade. What is this fraction written as a decimal?

A. $0.3\bar{5}$

B. 0.35

C. $0.4\bar{}$

D. 0.45

19. _____