Test, Form 1A

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

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

   A. -0.52 **B.** -0.48 **C.** $2.0\overline{8}$ **D.** 12.04

   1. _____**B**_____

2. Which of the following is a true statement?

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

   2. _____**H**_____

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.** $0.7\overline{3}$ **C.** $0.3\overline{7}$ **D.** $0.\overline{8}$

   3. _____**B**_____

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

   F. $-4.\overline{3},\ 4\dfrac{1}{4},\ 4\dfrac{1}{5},\ 4.06$ **H.** $-6\dfrac{5}{8},\ -6.34,\ -6.\overline{3},\ -6\dfrac{1}{4}$

   G. $-0.27,\ -\dfrac{2}{9},\ -\dfrac{2}{3},\ -0.\overline{1}$ **I.** $-7\dfrac{12}{13},\ -7\dfrac{13}{15},\ -7.8\overline{6},\ -7.\overline{86}$

   4. _____**H**_____

Evaluate each expression.

5. $|-8|$

   A. 8 **B.** -8 **C.** 0 **D.** 4

   5. _____**A**_____

6. $|10 - 3|$

   F. -7 **G.** 10 **H.** 3 **I.** 7

   6. _____**I**_____

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

   A. 19 **B.** 11 **C.** -11 **D.** 19

   7. _____**A**_____

8. What is the opposite of -17?

   F. -17 **G.** 17 **H.** 0 **I.** $-|17|$

   8. _____**G**_____

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

   $-4\ -3\ -2\ -1\ \ 0\ \ 1\ \ 2\ \ 3\ \ 4$
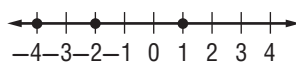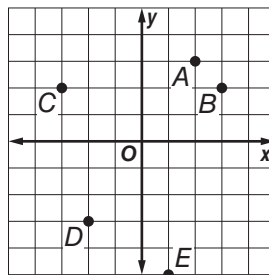
   A. $\{-4, -2, -1\}$ **C.** $\{-4, -1, 2\}$

   B. $\{-4, -2, 1\}$ **D.** $\{-4, 1, 2\}$

   9. _____**B**_____

Test, Form 1A   *(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. ____**G**____

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. ____**A**____

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. ____**F**____

Replace each ● with <, >, or = to make a true statement.

13. $9 \bullet -8$

A. $<$ **B.** $>$ **C.** $=$ **D.** $+$

13. ____**B**____

14. $6 \bullet -8$

F. $<$ **G.** $>$ **H.** $=$ **I.** $+$

14. ____**G**____

15. Which number is less than -3?

A. 0   **B.** 2   **C.** -2 **D.** -4

15. ____**D**____

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. ____**H**____

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

A. Quadrant I   **C.** Quadrant III

B. Quadrant II   **D.** Quadrant IV

17. ____**A**____

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. ____**G**____

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

A. $0.3\overline{5}$ **B.** 0.35   **C.** $0.\overline{4}$ **D.** 0.45

19. ____**B**____

Course 1 • Chapter 5 Integers and the Coordinate Plane