

Multiple Choice

Identify the choice that best completes the statement or answers the question.

_____ 1. Which number is not between $-\frac{2}{5}$ and $-\frac{3}{4}$?

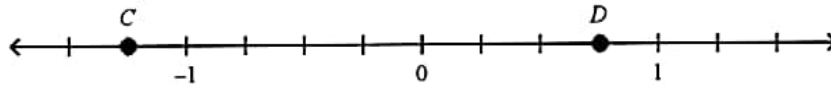
a. $-\frac{4}{5}$

c. $-\frac{1}{2}$

b. $-\frac{13}{20}$

d. $-\frac{3}{5}$

_____ 2. Which value describes the positions of C and D ?



a. $-2\frac{3}{4}$ and $1\frac{1}{4}$

c. $-\frac{5}{4}$ and $\frac{5}{4}$

b. $-1\frac{1}{4}$ and $\frac{3}{4}$

d. -1.2 and 0.75

_____ 3. Which of the following rational numbers are equivalent?

A: 2.7, B: 7.2, C: $\frac{27}{10}$, D: $-\frac{72}{10}$

a. A and B

c. B and D

b. C and D

d. A and C

_____ 4. Select the symbol that makes the following statement true.

$0 \square -0.4$

a. $>$

b. $<$

c. $=$

_____ 5. Evaluate $-4.2 + (-3.8)$.

a. -8

c. -0.4

b. 8

d. 0.4

_____ 6. Calculate the exact answer.

$-2.1 + (-3.33) + 2.01$

a. -3.24

c. 7.44

b. -3.42

d. 3.33

_____ 7. Choose the correct value of $(x + y)(x - y)$ when $x = 3.5$ and $y = -8.7$.

- a. -63.44
- b. 148.84
- c. 10.4
- d. 24.4

_____ 8. Choose the correct value of $(-3/7)(6/-5)$

- a. $-5/7$
- b. $18/35$
- c. $15/42$
- d. $-5/14$

_____ 9. Which operation would you perform last in this calculation?

$$9 \div (-2.3) + (5.8 - 3.1)$$

- a. +
- b. -
- c. \times
- d. \div

_____ 10. What is the side length of a square with an area of 16 m^2 ?

- a. 2 m
- b. 3 m
- c. 4 m
- d. 5 m

_____ 11. Evaluate $(-8)^3$.

- a. 512
- b. -512
- c. 24
- d. -24

_____ 12. Evaluate -5^2 .

- a. 125
- b. -125
- c. -25
- d. 25

_____ 13. Simplify $(7^2)(7^9) \div (7^2)^4(7^3)$.

- a. 7^{22}
- b. 7^0
- c. 7^1
- d. 7^6

_____ 14. What is the exponent that makes $3^4 = 9^{\square}$ true?

- a. 1
- b. 2
- c. 3
- d. 4

_____ 15. Evaluate $\left(\frac{3^3}{3^2}\right)^2$.

- a. 7
- b. 8
- c. 9
- d. 1

_____ 16. Evaluate $2^4 + 2^6$.

- a. 16
- b. 80
- c. 64
- d. 1024

_____ 17. What is the missing number in $\sqrt{\square} = 4.3$?

- a. 18.46
- b. 18.47
- c. 18.48
- d. 18.49