

Cumulative Review

Chapters 1–3

Multiple Choice. Circle the letter of the best answer.

1. If everything to the left of -9 on a graph is shaded, which inequality is represented?
 - A. $x \geq -9$
 - B. $x \leq -9$
 - C. $x > -9$
 - D. $x < -9$

2. Which statement is true?
 - F. $-27 > -20$
 - G. $-15 > 15$
 - H. $-6 > -9$
 - J. $0 > 17$

3. Harold entered the elevator on the tenth floor. He rode 26 floors up, 32 floors down, 28 floors up, then 17 floors down. On which floor is he now?
 - A. floor 5
 - B. floor 15
 - C. floor 40
 - D. floor 113

4. Solve $-3m - 1 = -25$.
 - F. -24
 - G. -8
 - H. 3
 - J. 8

5. Simplify the expression $5(b + 3) - 2.4b$.
 - A. $0.6b + 5$
 - B. $0.6b + 15$
 - C. $2.6b + 3$
 - D. $2.6b + 15$

6. Which choice is equivalent to the sum of -22 and 56 ?
 - F. $-56 + (-22)$
 - G. $-22 + (-56)$
 - H. $-22 + 56$
 - J. $22 + (-56)$

7. $2x + 7(x - 3) = 42$
 - A. $x = 7$
 - B. $x = 5$
 - C. $x = -5$
 - D. $x = -7$

8. Which number has the same value as $|-24|$?
 - F. $-|-24|$
 - G. $-|24|$
 - H. 24
 - J. -24

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Cumulative Review (continued)

Chapter 1–3

9. Which of the following is not a solution of $w + 6 > -1$?
- A. -7
 - B. -3
 - C. 3
 - D. 7
10. What is $\frac{8}{50}$ as a decimal?
- F. 0.16
 - G. 0.4
 - H. 0.8
 - J. 8.5
11. Order $-5, 6, 0, -2,$ and 1 from least to greatest.
- A. $0, 1, -2, -5, 6$
 - B. $6, 1, 0, -2, -5$
 - C. $-2, -5, 0, 1, 6$
 - D. $-5, -2, 0, 1, 6$
12. What is $\left(-\frac{2}{5}\right)\left(-\frac{11}{18}\right)$?
- F. $\frac{36}{55}$
 - G. $\frac{11}{45}$
 - H. $-\frac{11}{45}$
 - J. $-\frac{36}{55}$
13. Solve the inequality $6h \leq 0$.
- A. $h \leq -6$
 - B. $h \leq 6$
 - C. $h \geq 6$
 - D. $h \geq -6$
14. What is $44\frac{1}{10} \div \left(-12\frac{1}{4}\right)$?
- F. $3\frac{3}{5}$
 - G. $\frac{5}{18}$
 - H. $-\frac{5}{18}$
 - J. $-3\frac{3}{5}$
15. Evaluate $3.7n - 2p$ for $n = -1$ and $p = -2$.
- A. 7.7
 - B. 0.3
 - C. -0.3
 - D. -7.7
16. Solve the inequality $8 - \frac{p}{2} < 4$.
- F. $p > 8$
 - G. $p < 8$
 - H. $p > -8$
 - J. $p < -8$

Cumulative Review (continued)

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Chapter 1–3

Short Response

17. What is the solution to the equation $10b - 15 = -45$?

Extended Response

18. A recipe for cookies requires $1\frac{3}{4}$ cups of sugar. How much sugar is needed to make 5.5 batches of cookies? Write an equation and then solve it.

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