

*Due Friday
April 24th*

Cumulative Review

Chapter 1-5

Multiple choice. Circle the letter of the best answer.

- A checking account earns 2.5% simple interest. How much would be earned by an account with \$3,400 in after 3 years?

A. \$85 B. \$255
C. \$3,485 D. \$3,655
- Find the value of $(3.1 + 9.8) + 0.9$.

F. 138 G. 13.8
H. 12.9 J. 12
- Find the product. 2.4×0.06

A. 0.0144 B. 0.144
C. 1.44 D. 14.4
- Find the quotient. $0.45 \div 9$

F. 5 G. 0.5
H. 0.05 J. 0.005
- Which variable expression could you use to find the number of pencils in b boxes if there are 12 pencils in a box?

A. $b + 12$ B. $b - 12$
C. $\frac{b}{12}$ D. $12b$
- Which of the following is in order from least to greatest?

F. $-9, -5, 0, |-2|$
G. $|-5|, -4, 2, 6.7$
H. $1.5, 0.9, -4, -6$
J. $-1, 0, -0.3, 7$
- Evaluate $-3 - (-9) + 4$.

A. -10 B. -8
C. 10 D. 8
- Solve the equation $-9x = -72$.

F. -9 G. -8
H. 8 J. 9
- Solve $\frac{x}{5} + 8 = 3$.

A. 1 B. 0
C. -1 D. -25
- Which number has the same value as $|-21|$?

F. $-|-21|$ G. $-|21|$
H. 21 J. -21
- Order these fractions from least to greatest. $\frac{2}{5}, \frac{1}{3},$ and $\frac{3}{8}$

A. $\frac{3}{8}, \frac{2}{5}, \frac{1}{3}$ B. $\frac{1}{3}, \frac{3}{8}, \frac{2}{5}$
C. $\frac{3}{8}, \frac{1}{3}, \frac{2}{5}$ D. $\frac{2}{5}, \frac{3}{8}, \frac{1}{3}$
- Order $-3, 2, -7, 8,$ and 0 from least to greatest.

F. $0, 2, -3, 7, 8$ G. $8, 2, 0, -3, -7$
H. $-3, -7, 0, 2, 8$ J. $-7, -3, 0, 2, 8$
- Which proportion will help you find 42% of 120?

A. $\frac{120}{42} = \frac{x}{100}$ B. $\frac{x}{120} = \frac{42}{100}$
C. $\frac{120}{100} = \frac{42}{x}$ D. $\frac{100}{x} = \frac{42}{120}$
- Write $\frac{8}{15}$ as a decimal.

F. 1.875 G. 0.5
H. 0.53 J. $0.5\bar{3}$
- Find the sum. $\frac{5}{6} + \frac{1}{3}$

A. $\frac{4}{9}$ B. $\frac{2}{3}$
C. $1\frac{1}{6}$ D. $\frac{6}{7}$
- Find the difference. $8\frac{1}{4} - 5\frac{3}{5}$

F. $3\frac{13}{20}$ G. $3\frac{2}{9}$
H. $2\frac{13}{20}$ J. $2\frac{2}{9}$
- Solve $x - \frac{5}{6} = 2\frac{1}{3}$.

A. $1\frac{1}{2}$ B. $2\frac{2}{3}$
C. 3 D. $3\frac{1}{6}$

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Cumulative Review (continued)

Chapters 1–5

18. Find the product. $3 \cdot 4\frac{3}{4}$

F. $\frac{12}{19}$

G. $8\frac{1}{4}$

H. $12\frac{3}{4}$

J. $14\frac{1}{4}$

19. Find the quotient. $2\frac{2}{3} \div 2\frac{2}{5}$

A. $1\frac{1}{9}$

B. $1\frac{13}{27}$

C. $4\frac{1}{5}$

D. $6\frac{2}{5}$

20. The sale price of a pair of a computer is \$459. This is 65% of the original price. What was the original price?

F. \$160.65

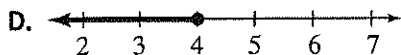
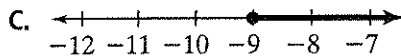
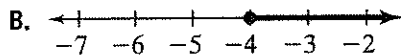
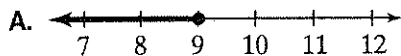
G. \$619.65

H. \$706.15

J. \$1,311.43

21. Solve $\frac{w}{1.5} \geq -6$.

Which number line correctly represents the solution?



22. A radio is on sale for 15% off the regular price of \$29.99. About how much is the sale price of the radio?

F. \$15.00

G. \$18.00

H. \$25.00

J. \$30.00

23. Which number is *not* the same as $2\frac{4}{5}$?

A. $2\frac{8}{10}$

B. 28%

C. 2.8

D. $\frac{14}{5}$

24. Solve: $-4n < -20$

F. $n < 80$

G. $n < -24$

H. $n > 5$

J. $n > 16$

25. Solve $\frac{2}{3}x + 9 = -3$.

A. -18

B. -9

C. -8

D. -4

Gridded Response

26. What percent of 300 is 126?

Short Response

27. If you spend eight hours of your day asleep, which form, fraction, decimal, or percent, would be most exact in relating this activity? Explain.

Extended Response

28. Of fractions, decimals, and percents, which two forms are the most alike? Explain your answer.

