

Test 1 - Chapter 4

Date _____

Evaluate each expression.

1) $(14)(2 + 3) - 6$

- A) 64 B) 63
C) 58 D) 70

2) $\frac{35 - (12 - 4)}{9}$

- A) 3 B) 0
C) 9 D) 10

3) $\frac{2}{3} \cdot \frac{7}{6} \cdot \frac{4}{3}$

- A) $\frac{247}{108}$ B) $\frac{46}{27}$
C) $\frac{28}{27}$ D) $\frac{10}{27}$

4) $\left(\frac{3}{2} - \frac{4}{3}\right) \times \frac{2}{3}$

- A) $\frac{23}{45}$ B) $\frac{1}{9}$
C) $\frac{29}{18}$ D) $\frac{16}{9}$

Solve each proportion.

5) $\frac{9}{b} = \frac{3}{4}$

- A) {12} B) $\left\{\frac{4}{5}\right\}$
C) {1} D) $\left\{\frac{4}{3}\right\}$

6) $\frac{8}{p} = \frac{10}{2}$

- A) {16} B) $\left\{\frac{8}{5}\right\}$
C) $\left\{\frac{23}{7}\right\}$ D) {1.5}

7) $\frac{18.1}{x} = \frac{5.81}{16.4}$

- A) {15} B) {54.3}
C) {51.09} D) {6.41}

8) $\frac{19.6}{12.4} = \frac{p}{15.6}$

- A) {21.4} B) {18.6}
C) {25} D) {24.66}

Answer each question and round your answer to the nearest whole number.

9) If you can buy one bag of radishes for \$2, then how many can you buy with \$22?

- A) 9 B) 10
C) 12 D) 11

10) Willie reduced the size of a rectangle to a height of 3 in. What is the new width if it was originally 12 in tall and 16 in wide?

- A) 4 in B) 64 in
C) 2 in D) 12 in

Write each percent as a decimal.

11) 94%

- A) 94 B) 0.94
C) 9.4 D) 0.094

12) 229%

- A) 229 B) 2.29
C) 0.229 D) 22.9

13) 1%

- A) 1 B) 10
C) 0.1 D) 0.01

Write each fraction as a percent.

14) $\frac{327}{50}$

- A) 654.75% B) 327.50%
C) 654% D) 327%

15) $\frac{9}{10}$

- A) 90% B) 9%
C) 0.9% D) 9.10%

Write each decimal as a percent. (Round to the nearest tenth of a percent if necessary)

16) 0.032

- A) 32% B) 0.32%
C) 0.3% D) 3.2%

17) 7.74

- A) 7.74% B) 77.4%
C) 794% D) 774%

Solve each problem.

18) 31 is what percent of 51?

- A) 0.61% B) 164.5%
C) 60.8% D) 62%

19) What is 78% of 77?

- A) 6006 B) 60.06
C) none of these D) 6.006

20) 22% of what is 116?

- A) 527.3 B) 50.3
C) 9.1 D) 912

21) 160% of what is 56?

- A) 8.96 B) 350
C) 35 D) 89.6

22) What is the cost of a 20% tip for a \$58.00 restaurant bill?

- A) \$6.80 B) \$11.60
C) \$10.80 D) \$5.80

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