

Percent of Change (6-7) & Markup Discount (6-8) HW Date _____ Period _____

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Write each as a decimal. Round to the thousandths place.

1) 706%

2) $1\frac{18}{25}$

Write each as a percent. Round to the nearest tenth of a percent.

3) 0.3

4) $\frac{4}{13}$

Write each as a fraction.

5) 11.1%

6) 0.6

Find each percent change. Round to the nearest tenth of a percent. State if it is an increase or decrease.

7) From 62 to 23

8) From 57 to 10

9) From 191 to 296

10) From \$16 to \$13

11) From 6 inches to 7 inches

12) From 235 miles to 23.1 miles

Find the selling price of each item.

13) Original price of pants: \$25.00
Discount: 40%

14) Original price of a parrot: \$514.95
Discount: 45%

15) Cost of a hat: \$14.50
Markup: 55%

16) Cost of a sled: \$99.99
Markup: 35%

Solve each equation.

17) $b + (-15) = -15$

18) $15 = \frac{x}{19}$

19) $x - 4\frac{1}{10} = -\frac{219}{40}$

20) $\frac{12}{7}n = -3\frac{3}{7}$

Simplify each expression.

21) $(9p - 4) \cdot 4$

22) $(m + 9) \cdot 2$

23) 349 students went on a field trip. Nine buses were filled and 25 students traveled in cars. How many students were in each bus?

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Write each as a decimal. Round to the thousandths place.

1) 706%

7.06

2) $1\frac{18}{25}$

1.72

Write each as a percent. Round to the nearest tenth of a percent.

3) 0.3

30%

4) $\frac{4}{13}$

30.8%

Write each as a fraction.

5) 11.1% $\frac{111}{1000}$

6) 0.6 $\frac{3}{5}$

Find each percent change. Round to the nearest tenth of a percent. State if it is an increase or decrease.

7) From 62 to 23

62.9% decrease

8) From 57 to 10

82.5% decrease

9) From 191 to 296

55% increase

10) From \$16 to \$13

18.8% decrease

11) From 6 inches to 7 inches

16.7% increase

12) From 235 miles to 23.1 miles

90.2% decrease

Find the selling price of each item.

13) Original price of pants: \$25.00

Discount: 40%

\$15.00

14) Original price of a parrot: \$514.95

Discount: 45%

\$283.22

15) Cost of a hat: \$14.50

Markup: 55%

\$22.48

16) Cost of a sled: \$99.99

Markup: 35%

\$134.99

Solve each equation.

17) $b + (-15) = -15$

{0}

18) $15 = \frac{x}{19}$

{285}

19) $x - 4\frac{1}{10} = -\frac{219}{40}$ $\left\{-1\frac{3}{8}\right\}$

20) $\frac{12}{7}n = -3\frac{3}{7}$

{-2}

Simplify each expression.

21) $(9p - 4) \cdot 4$

 $36p - 16$

22) $(m + 9) \cdot 2$

 $2m + 18$

23) 349 students went on a field trip. Nine buses were filled and 25 students traveled in cars. How many students were in each bus?

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