1. Put ‘is’, ‘of’, ‘%’, and ‘100’ in a proportion that will help you solve percent problems correctly.

2. The sale price of a pair of jeans is $159. This is 45% of the original price. What was the original price?

3. A radio is on sale for 25% off the regular price of $59.99. About how much is the sale price of the radio?

4. Write 6 as a decimal as a percent?

5. If a population of rats grows from 135 to 215, what is the percent of increase to the nearest percent?

7. An agent charges a fee of 4% of the monthly rent. What fee will I pay for an apartment with a monthly rent of $685?

9. You invest $4000 at an annual rate of 6%. How much interest will you have earned after 3 months?

10. An angle measures 810. How many degrees is the supplement of this angle?

Fill in the missing values.

Fraction Decimal %

\_\_\_\_\_\_\_\_\_ 2.35 \_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ 0.02%

A retirement fund earns 5% simple interest per year. The fund currently has $15,500 in it. How much will be in the account in 5 years?

Use a proportion. What percent of 40 is 50?

Use a proportion. 20% of 160 is what number?

Use an equation. 875 is 35% of what number?

Use an equation. What percent of 104 is 83.2?

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

505 to 101

14.8 to 8.3

Draw and identify a pair of vertical angles.

Draw and identify a pair of adjacent angles.

<1 and <2 are supplementary. m<1 = 2x + 4 and m<2 = 3x – 24. What is the measure of each angle?

<1 and <2 are complementary. m<1 = 2x + 4 and m<2 = 3x – 24. What is the measure of each angle?

The height of a parallelogram is a line drawn \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from one base to its opposite.

Perpendicular means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.

The only time when the height of the parallelogram is a side of the parallelogram is when the parallelogram is also a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Find the area of the parallelogram. Base = 6m Height = 14m

Find the missing measures for the rectangle.

Length: 15 ft Length: ? Length: 12m

Width: ? Width: 8in Width: ?

Perimeter: 33ft Perimeter: ? Perimeter: 44m

Area: ? Area: 72in2 Area: ?

I bought six pairs of jeans at 15% off the regular price of $20. I also bought six shirts at 20% off the regular price of $18. What was the total percent off the regular price that I got on the purchase?