

## Review Exercise Set 25

Solve for the base using the formula "Percent \* Base = Amount". Round answers to nearest the hundredth.

Exercise 1: 12% of what is 8.6?

Exercise 2: 125% of what is 26?

Exercise 3: 2.5% of what is 52.5?

Exercise 4: 180 is 320% of what?

Exercise 5: 13.5 is 82.3% of what?

## Review Exercise Set 25 Answer Key

Exercise 1: 12% of what is 8.6?

Let  $x$  = unknown number

$$12\% * x = 8.6$$

$$0.12 * x = 8.6$$

$$0.12 * x \div 0.12 = 8.6 \div 0.12$$

$$x = \mathbf{71.67}$$

Exercise 2: 125% of what is 26?

Let  $x$  = unknown number

$$125\% * x = 26$$

$$1.25 * x = 26$$

$$1.25 * x \div 1.25 = 26 \div 1.25$$

$$x = \mathbf{20.8}$$

Exercise 3: 2.5% of what is 52.5?

Let  $x$  = unknown number

$$2.5\% * x = 52.5$$

$$0.025 * x = 52.5$$

$$0.025 * x \div 0.025 = 52.5 \div 0.025$$

$$x = \mathbf{2100}$$

Exercise 4: 180 is 320% of what?

Let  $x$  = unknown number

$$180 = 320\% * x$$

$$180 = 3.20 * x$$

$$180 \div 3.20 = 3.20 * x \div 3.20$$

$$\mathbf{56.25} = x$$

Exercise 5: 13.5 is 82.3% of what?

Let  $x$  = unknown number

$$13.5 = 82.3\% * x$$

$$13.5 = 0.823 * x$$

$$13.5 \div 0.823 = 0.823 * x \div 0.823$$

$$\mathbf{16.40} = x$$