Study the following.

You can also solve percent equations with the other parts of the proportion missing.



Draw a diagram. Write a proportion. Solve.

1. 40% of ? = 60

2. ?% of 55 = 11

3. 25% of ? = 16

4.
$$?\% \text{ of } 20 = 2$$

Solve these word problems.

1. 7 is what percent of 100?

2. 3 is what percent of 60?

3. 20 is what percent of 80?

4. 30 is what percent of 60?

1. What is 35 % of 200?

2. What is 40% of 60?

3. What is 10% of 50?

4. What is 5% of 80?

1. 6 is 50% of what?

2. 40 is 20% of what?

3. 84 is 21% of what?

4. 45 is 6% of what?

CHAPTER 31 – PERCENT PROBLEMS

1. 70 is what percent of 140?

2. What is 60% of 40?

3. 20 is 4% of what?

4. 10 is what percent of 250?

5. What is 6 percent of 800?

6. 16 is 50 percent of what?

Study the following.

Here are some examples of percentage problems with percents greater that 100.

Example 1: What is 200% of 60?

A diagram will look as follows.



Example 2: 60 is what percent of 30?

A diagram will look as follows.



CHAPTER 31 – PERCENT PROBLEMS

Solve.

1. What is 120% of 80?

2. 90 is what percent of 45?

3. 30 is 300 percent of what?

4. What is 250% of 40?