

6.1-6.3

**Review
(Day 1)**

**In percent problems you
are looking for...**

the PART of something

the WHOLE of something

the PERCENT of something

Look at the following, can you identify the following?

PART WHOLE PERCENT

1) 50% of 20 is 10.

2) 6 is 25% of 24.

3) 10% of 50 is 5.

4) 30 is 75% of 40.

Solving percent problems using proportions.

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

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Solve the following using proportions:

5) What is 76% of 25?

6) 42 is 30% of what number?

Solve the following using proportions:

7) What percent of 5 is 2?

8) What is 37% of 200?

THE PERCENT EQUATION

$$\text{part} = \% \bullet \text{whole}$$

Practice

$$\text{part} = \% \bullet \text{whole}$$

9) What number is 20% of 110?

10) The number 117 is 45% of what number?

Practice

$$\text{part} = \% \bullet \text{whole}$$

11) 90 is what percent of 150?

Practice

$$\text{part} = \% \bullet \text{whole}$$

- 12) A shoe salesperson sells a pair of shoes for \$60.
The salesperson receives a 9% commission on the sale. How much is the commission?

PERCENT OF CHANGE FORMULA

$$\underline{\hspace{10em}} = \underline{\hspace{10em}}$$

13) Before: 30 points scored

After: 45 points scored



a) Is this a increase or decrease?

b) What is the amount of change?

c) What is the percent of change?



14) Before: 96 redvines
After: 24 redvines

- a) Is this a increase or decrease?**
- b) What is the amount of change?**
- c) What is the percent of change?**

15) Before: 250 leprechans

After: 200 leprechans

- a) Is this a increase or decrease?**
- b) What is the amount of change?**
- c) What is the percent of change?**

