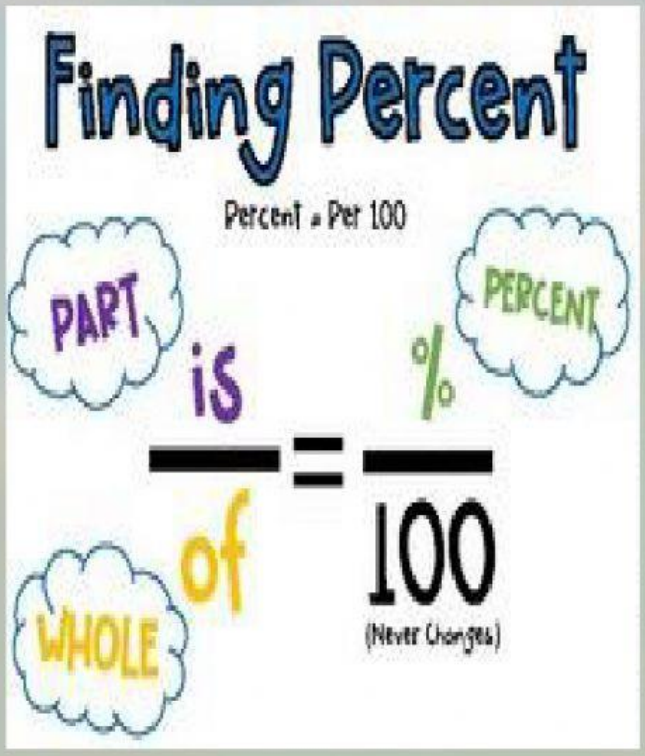

Percent of a Number

What is 35% of 80?

$$\frac{35}{100} \times 80 = 28$$

$$0.35 \times 80 = 28$$

Finding a Percent of a Number The activity above suggests two ways to find a percent of a number.

- Change the percent to a fraction and multiply by the number.
- Change the percent to a decimal and multiply by the number.

EXAMPLE 1 Finding a Percent of a Number

a. Find 75% of 60. Use a fraction.

$$75\% \text{ of } 60 = \frac{3}{4} \times 60$$

$$= \frac{180}{4}$$

$$= 45$$

b. Find 10% of 74. Use a decimal.

$$10\% \text{ of } 74 = 0.1 \times 74$$

$$= 7.4$$

ANSWER 10% of 74 is 7.4.