

**FINDING ORIGINAL
PRICE**

**FINDING SALE PRICE
(DISCOUNT)**

FINDING MARKUP

**FINDING PERCENT OF
DISCOUNT**

The item is 40% off. Now it costs \$33. What is the original price?

$$100 - 40 = 60\%$$

$$\frac{33}{x} = \frac{60}{100}$$

$$x = \$55$$

always
100 - %

The original price is \$50. It is on sale for 20% off. What is the sale price?

$$50 \cdot 0.2 = 10$$

$$50 - 10 = \$40$$

A store pays \$170 for a bike. What do they sell it for when the markup is 20%?

$$170 \cdot 0.2 = 34$$

$$170 + 34 = \$204$$

The original price is \$60. The sale price is \$45. What is the percent discount?

$$60 - 45 = 15$$

$$\frac{15}{60} = \frac{x}{100}$$

$$x = 25\%$$