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Applying the percent equation: Problem type 1

Applying the percent equation: Problem type 1

Answer the following questions.

(a) 65% of what is 26?

(b) 57 is what percent of 60?

%

a = multiply
is = answer

$$65\% \cdot x = 26$$
$$\frac{0.65x}{0.65} = \frac{26}{0.65}$$
$$x = \boxed{40}$$

$$57 = x\% \cdot 60$$
$$\frac{57}{60} = \frac{60x}{60}$$
$$0.95 = x$$
$$0.95 \times 100 =$$
$$\boxed{95\%}$$

$$\frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

OR

$$\frac{26}{x} = \frac{65}{100}$$
$$26 \cdot 100 = 65x$$
$$\frac{2600}{65} = \frac{65x}{65}$$
$$40 = x$$

$$\frac{57}{60} = \frac{x}{100}$$
$$57 \cdot 100 = 60x$$
$$\frac{5700}{60} = \frac{60x}{60}$$
$$95 = x$$

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