

"I Understand How Percents and Ratios are Related and Can Use Percents to Solve Real-World Problems."

Finding the Whole or Part in a Percent Proportion

A percent can always be used to compare a part to a whole. In a percent, the whole is always 100.

$$\frac{\%}{100} = \frac{\textit{part}}{\textit{whole}}$$

What's the Difference?

25% of 40 is what number?

9 is 36% of what number?

15 is what percent of 25?

1. 7 is 35% of what number?	3. 225% of 300 is what number?
2. 17 is what percent of 20?	4. 75 is 15% of what number?

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A percent can always be used to compare a part to a whole. In a percent, the whole is always 100.

$$\frac{\%}{100} = \frac{\text{part}}{\text{whole}}$$

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

What's the Difference?

25% of 40 is what number?

$$\frac{25}{100} = \frac{x}{40}$$

100x = 1000
x = 10

9 is 36% of what number?

$$\frac{36}{100} = \frac{9}{x}$$

x = 25

15 is what percent of 25?

$$\frac{x}{100} = \frac{15}{25}$$

x = 60%

1. 7 is 35% of what number?

$$\frac{35}{100} = \frac{7}{x}$$

x = 20

3. 225% of 300 is what number?

$$\frac{225}{100} = \frac{x}{300}$$

x = 675

2. 17 is what percent of 20?

$$\frac{x}{100} = \frac{17}{20}$$

x = 85

4. 75 is 15% of what number?

$$\frac{15}{100} = \frac{75}{x}$$

x = 500