

The Percent Proportion

Lesson 2-3

$$\frac{\text{part (is)}}{\text{whole (of)}} = \frac{\%}{100}$$

Type of question	Example	Proportion
Find the <u>Percent</u>	"What <u>percent</u> of 5 is 4?"	$\frac{4}{5} = \frac{x}{100}$
Find the <u>Part</u>	"What <u>number is</u> 80% of 5?"	$\frac{x}{5} = \frac{80}{100}$
Find the <u>Whole</u>	"4 is 80% <u>of what number</u> ?"	$\frac{4}{x} = \frac{80}{100}$

1) What number is 5% of 60?

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part/is=

whole/of=

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

2) 84 is 75% of what number?

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$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

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3) What percent of \$90 is \$9?

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4) Find the percentage for each favorite social media website using the percent proportion.

- _____% of the class favors Vanilla.
- _____% of the class favors Chocolate.
- _____% of the class favors Cookie Dough.
- _____% of the class favors Cookies N' Cream.

Favorite Ice-cream Flavor	Total # of Students: _____
Vanilla	
Chocolate	
Cookie Dough	
Cookies N' Cream	

Vanilla	Chocolate	Cookie Dough	Cookie N' Cream
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5) Brian ate 3 granola bars. This is 25% of the total number of granola bars in a box. How many granola bars are in a box?

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6) Of the 273 students in a school, 95 volunteered to work the book sale. About what percent of the students volunteered?

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