

Solve for Percent of a Number

Objective: You've learned what a percent is. Now it is time to learn how to solve for a percent of a number.



“of” = multiply



Steps to solve for percent of a number:

Step #1: Convert the percent to a decimal number:

$$\text{Remember: } 10\% = \frac{10}{100} = .10$$

Step #2: Multiply the number by the decimal equivalent of the percent.

Step #3: Round final answer to the hundredths, if necessary.



Example #1: What is 15% of 22?

Step #1: $15\% = \frac{15}{100} = .15$

Step #2: Multiply $22 \times .15$:

$$\begin{array}{r} 22 \\ \times .15 \\ \hline \end{array}$$

What did you get?



Example #2: What is 42% of 80?

Step #1: $42\% = \frac{42}{100} = .42$

Step #2: Multiply $80 \times .42$:

$$\begin{array}{r} 80 \\ \times .42 \\ \hline \end{array}$$

What did you get?



YOU GOT THIS:

1. What is 35% of 60?

2. What is 84% of 12?