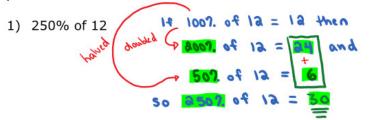
Percent of a Number

100% of a number is the number itself.

Example - Using Mental Math to Determine Percent of a Number

You can use mental math such as doubling, halving, and dividing by 10 to estimate the percents of numbers.





Example - Using a Calculator to Determine Percent of a Number

To <u>calculate</u> the percent of a number using a calculator:

- \rightarrow Convert the percent to a <u>decimal</u> ($\% \div 100$)
- \rightarrow Multiply by the number you need the percent of (x #)

1) 250% of 12
$$250 \div 100 = 2.5$$

 $2.5 \times 12 = 30$

Outcome: N3 - Demonstrate an understanding of percents greater than or equal to 0%

2) 3% of \$450
$$3 \div 100 = 0.03$$

$$0.03 \times {}^{5}450 = {}^{5}13.50$$

$$0.08 \times {}^{5}13.50 \times {}^{}^{5}13.50 \times {}^{5}13.50 \times {}^{5}13.50 \times {}^{5}13.50 \times {}^{5}13.5$$

3)
$$0.5\% \text{ of } 350$$

$$0.5\% \div 100 = 0.005 * Careful! Common error is to think 0.5%.

|OR| |OR| | That would be 50% !!!$$



Practice the following:

Required - Page 142 # 3 - 8

Optional (challenge yourself!!!) - Page 143 #13, 14, 15

Outcome:

N3 - Demonstrate an understanding of percents greater than or equal to 0%