

PERCENTS

What Is a Percent?

- The term percent refers to a fraction in which the denominator is 100.
 It is a way to compare a number with 100.
- Since a dollar is equal to 100 cents, a quarter of a dollar is equal to ¼ of the dollar. If we change the denominator in ¼ to 100, the numerator becomes 25, so a quarter is 25/100 of a dollar or 25 cents.

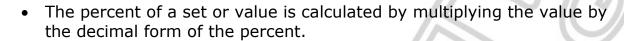
$$3/5 \rightarrow n/100 \rightarrow (3/5 \times 20/20) = 60/100 = 60\%$$

60% is read "60 percent" and represents 60 out of 100.

• Percents can be written as fractions, decimals or numbers with the percent sign:



How to determine a percent:



• **Example**: If you want to know 60 percent of 70, change 60% to .60 and multiply times 70, as in: .60 X 70 = 42. This means if there were originally 70 pencils in a box and 60% of them were used, 42 pencils are no longer in the box.

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Try This!

What percent is equal to 3/20?

What percent is equal to 34/50?

Is the fraction 12/25 equal to 48%? ______

What fraction is equal to 37%?

What fraction is equal to 80%?