

## CONVERT ONE MEASUREMENT TO ANOTHER

- There are many units of measurement: inches, feet, yards, miles, millimeters, meters, seconds, minutes, hours, cups, pints, quarts, gallons, ounces, pounds, etc.
- Different types of measurements may have a relationship.
- The relationships are predetermined, for instance:
  - **12 inches = 1 foot**
  - **3 feet = 1 yard**
  - **5280 feet = 1 mile**
  - **1000 millimeters = 1 meter**
  - **100 centimeters = 1 meter**
  - **100 meters = 1 kilometer**

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### How to con

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- Begin b
- Input the new value into the formula:
  - **To convert inches to feet**
  - Use the formula, 12 inches = 1 foot
  - Input the new value: 4 X 12 inches = 4 feet
  - **48 inches = 4 feet**
- Remember, all equations must be balanced. Whatever is done to one side must be done to the other
  - **To convert minutes to hours**
  - Use the formula, 60 minutes = 1 hour
  - Input the new value: 5 X 60 minutes = 5 hours
  - **300 minutes = 5 hours**
- The correct relationships are often memorized, and others can be found in books or on the internet. Be sure to use the correct formula.

## Try This!

If 5280 feet = 1 mile, how many feet are in 6 miles?

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If 2 cups = 1 pint, how many cups are in 13 pints?

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If 60 seconds = 1 minute, how many seconds are in 8 minutes?

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If 100 centim

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**PREVIEW**

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If 3 feet = 1 yard, how many feet are in 9 yards?

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