

Convert to a Decimal 1

Example: $3/8 = .375$

$1/3 = \underline{\hspace{2cm}}$

$27/2 = \underline{\hspace{2cm}}$

$5/8 = \underline{\hspace{2cm}}$

$11/3 = \underline{\hspace{2cm}}$

$8 \frac{1}{4} = \underline{\hspace{2cm}}$

$9/16 = \underline{\hspace{2cm}}$

Convert to a Fraction 1

Example: $6.75 = 6 \frac{3}{4}$ (find the closest fraction with one of the following denominators:
2,3,4,8,16)

$3.5 = \underline{\hspace{2cm}}$

$1.25 = \underline{\hspace{2cm}}$

$.875 = \underline{\hspace{2cm}}$

$2.667 = \underline{\hspace{2cm}}$

$9.125 = \underline{\hspace{2cm}}$

$4.1875 = \underline{\hspace{2cm}}$

Convert to a Decimal 2

Example: $3 \text{ c.} = 1.5 \text{ pt.}$

$2 \text{ qt.} = \underline{\hspace{2cm}} \text{ gal.}$

$2 \text{ tsp.} = \underline{\hspace{2cm}} \text{ tbsp.}$

$10 \text{ tbsp.} = \underline{\hspace{2cm}} \text{ cups}$

$67 \text{ oz.} = \underline{\hspace{2cm}} \text{ lb.}$

$4 \text{ c. } 8 \text{ fl. oz.} = \underline{\hspace{2cm}} \text{ c.}$

$10 \text{ lb. } 2 \text{ oz.} = \underline{\hspace{2cm}} \text{ lb.}$

$3 \text{ c. } 2 \text{ tbsp.} = \underline{\hspace{2cm}} \text{ c.}$

$2 \text{ qt. } 1/3 \text{ c.} = \underline{\hspace{2cm}} \text{ c.}$

Convert to a Usable Measure

(round to closest measurable unit: i.e. $1/4$ oz. for weight and tsp. for volume)

Example: $0.6 \text{ c.} = 9 \text{ tbsp. } 2 \text{ tsp.}$ **OR** $1/2 \text{ cup } 1 \text{ tbsp. } 2 \text{ tsp.}$

$32 \text{ tbsp.} = \underline{\hspace{2cm}}$

$27 \text{ qt.} = \underline{\hspace{2cm}}$

$74 \text{ tsp.} = \underline{\hspace{2cm}}$

$0.35 \text{ tbsp.} = \underline{\hspace{2cm}}$

$3.36 \text{ c.} = \underline{\hspace{2cm}}$

$0.6 \text{ gal.} = \underline{\hspace{2cm}}$

$0.72 \text{ qt.} = \underline{\hspace{2cm}}$

$3.88 \text{ lb.} = \underline{\hspace{2cm}}$

What's the Conversion Factor (as a decimal)?

Example: A recipe makes for cream of tomato soup makes 20 portions, you need to make 30.

The conversion factor is $30/20 = 1.5$

1. A recipe makes for apple crumble makes 8 portions, you need to make 50.
2. A recipe makes for chili makes 24 portions, you need to make 10.
3. A recipe makes for lasagna makes 20 (8-oz) portions, you need to make 30 (8-oz.) portions.
4. You're now making the lasagna for children so you've decided to reduce the portion size.
Using the same recipe for lasagna you now need to make 30 (6-oz.) portions.
5. A recipe makes for clam chowder makes 20 (1 c.) portions, you need to make 10 (1 ½ c.) portions.

Convert a quantity: Using the conversion factors above convert the following. Express in units that can be measured.

1. a) 9 medium apples
b) $\frac{3}{4}$ cup flour
c) 6 tbsp. butter
2. a) 2 lb. 3 oz. beans
b) 15 oz. canned tomatoes
c) 3 oz. chopped garlic

3. a) 3 lb. lasagna noodles
b) 9 cups ricotta cheese
c) 2 qt. tomato sauce
4. a) 3 lb. lasagna noodles
b) 9 cups ricotta cheese
c) 2 qt. tomato sauce
5. a) 2 pints chopped clams
b) 2 large onions
c) 1½ cups cream