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HMGT 1102

Convert to a Decimal 1

Example: 3/8 = .375

$^1/_3$ = .333

$^{11}/_3$ = 3.667

$^{27}/_2$ = 13.5

8 ¼ = 8.25

$^5/_8$ = .625

$^9/_{16}$ = .563

Convert to a Fraction 1

Example: 6.75 = 6 ¾ (find the closest fraction with one of the following denominators:

2,3,4,8,16)

3.5 = 3 1/2

2.667 = 2 2/3

1.25 = 1 1/4

9.125 = 9 1/8

.875 = 7/8

4.1875 = 4 1/16

Convert to a Decimal 2

Example: 3 c. = 1.5 pt.

2 qt. = .5 gal.

4 c. 8 fl. oz. = 5 c.

2 tsp. = .67 tbsp.

10 lb. 2 oz. = 10.125 lb.

10 tbsp. = .625 cups

3 c. 2 tbsp. = 3.125 c.

67 oz. = 4.1875 lb.

2 qt. 1/3 c. = 8.33 c.

Convert to a Usable Measure

 (round to closest measurable unit: i.e. ¼ oz. for weight and tsp. for volume)

Example: 0.6 c. = 9 tbsp. 2 tsp. **OR** *½ cup 1 tbsp. 2 tsp.*

32 tbsp. = 2c

3.36 c. = 1 1/3 c

27 qt. = 6 gal 3 qt

0.6 gal. = 76.8 oz. = 2 qt 1 c. 5 oz (*4.8*)

74 tsp. = 1 ½ c 2 tsp

0.72 qt. = 23 oz (*23.04*) = 1pt. 7 oz.

0.35 tbsp. = 1 tsp

3.88 lb.= 14 oz (14.08)

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.

6.25

2. A recipe makes for chili makes 24 portions, you need to make 10.

.42

3. A recipe makes for lasagna makes 20 (8-oz) portions, you need to make 30 (8-oz.) portions.

1.5

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.

1.125

5. A recipe makes for clam chowder makes 20 (1 c.) portions, you need to make 10 (1 ½ c.)

portions.

.75

Convert a quantity: Using the conversion factors above convert the following

1.   a) 9 medium apples 56 *(56.25)*

     b) ¾ cup flour 4.6875 c = 4 ½ c. 3 tbsp

     c) 6 tbsp. butter 2c 5.25 tbsp or 2 c. 5. tbsp. ¾ tsp.

2.   a) 2 lb. 3 oz. beans 14 ¾ oz

     b) 15 oz. canned tomatoes 6 ¼ oz.

     c) 3 oz. chopped garlic 1 ¼ oz.

3.   a) 3 lb. lasagna noodles 4 lb. 8 oz.

b) 9 cups ricotta cheese 13 ½ cups = 3 qt. 1 ½ c.

c) 2 qt. tomato sauce 3 qt

4. a) 3 lb. lasagna noodles 3 lb. 6 oz.

b) 9 cups ricotta cheese 10 c. 2 tbsp. (or 1 oz.)

c) 2 qt. tomato sauce 2 qt. 1 c.

5. a) 2 pints chopped clams 3 c

b) 2 large onions 1 ½ each

c) 1½ cups cream 1 c 2 tbsp. (or 1 oz.)