**Convert to a Decimal 1**

*Example: 3/8 = .375*

1/3 = \_\_\_\_\_

27/2 =\_\_\_\_\_

5/8 = \_\_\_\_\_

11/3 = \_\_\_\_\_

8 ¼ = \_\_\_\_\_

9/16  = \_\_\_\_\_

**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 =

1.25 =

.875 =

2.667 =

9.125 =

4.1875 =

**Convert to a Decimal 2**

*Example: 3 c. = 1.5 pt.*

2 qt. =\_\_\_\_\_ gal.

2 tsp. = \_\_\_\_\_ tbsp.

10 tbsp. = \_\_\_\_\_cups

67 oz. = \_\_\_\_\_ lb.

4 c. 8 fl. oz. = \_\_\_\_\_ c.

10 lb. 2 oz. = \_\_\_\_\_ lb.

3 c. 2 tbsp. = \_\_\_\_\_ c.

2 qt. 1/3 c. = \_\_\_\_\_ 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. = \_\_\_\_\_

27 qt. = \_\_\_\_\_

74 tsp. = \_\_\_\_\_

0.35 tbsp. =\_\_\_\_\_

3.36 c. =\_\_\_\_\_

0.6 gal. =\_\_\_\_\_

0.72 qt. =\_\_\_\_\_

3.88 lb.= \_\_\_\_\_

**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) ¾ 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

1. a) 3 lb. lasagna noodles

b) 9 cups ricotta cheese  
c) 2 qt. tomato sauce

1. a) 2 pints chopped clams

b) 2 large onions  
c) 1½ cups cream