

Additional Measurement Products

LER 8502 Measure For Treasure Activity Book
 LER 8520 Measure and Solve Surface Area and Volume
 LER 1205 Liter Set
 LER 0307 Liter Pitcher
 LER 0306 Graduated Beakers
 LER 2908 Graduated Cylinders



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LRM 0360-TG



Items included in kit

5 Measuring Jars:
 gallon, half gallon, quart, pint, and gill
 (metric measurements range from 100 ml to 3000 ml)

3 Liquid Measures:
 cup (8 oz/250ml), pint (16oz/500ml) quart (32oz/1000ml)

5 Measuring Spoons:
 1/4 teaspoon, 1/2 teaspoon, 1 teaspoon
 1/2 tablespoon, 1 tablespoon

4 Measuring Cups:
 1/4 , 1/3 , 1/2, and 1 cup

CONVERSION FACTORS

To change	to	Multiply by
liters	gallons (U.S.)	0.2642
liters	pints - dry	1.8162
liters	pints - liquid	2.1134
liters	quarts - dry	0.9081
liters	quarts - liquid	1.0567
pints - dry	liters	0.5506
pints - liquid	liters	0.4732
quarts - dry	liters	1.1012
quarts - liquid	liters	0.9463

Standard		Metric
1 fluid oz.	=	.02957L
1 pint	=	0.47311L
1 gallon	=	3.78541L

Measurement Abbreviations		
c.	=	cup
T. or Tbs.	=	tablespoon
t. or tsp.	=	teaspoon
ml.	=	milliliter
L.	=	liter
pt.	=	pint
qt.	=	quart
gal.	=	gal

U.S. Measurement Equivalents		
16 T.	=	1 c.
12 T.	=	3/4 c.
10 T. + 2 tsp.	=	2/3 c.
8 T.	=	1/2 c.
6 T.	=	3/8 c.
5 T. + 1 tsp.	=	1/3 c.
4 T.	=	1/4 c.
2 T.	=	1/8 c.
2 T. + 2 tsp.	=	1/6 c.
1 T.	=	1/16 c.
2 c.	=	1 pt.
2 pt.	=	1 qt.
3 tsp.	=	1 T.
48 tsp.	=	1 c.
1 c.	=	1/2 pt.
2 c.	=	1 pt.
4 c.	=	1 qt.
2 pt.	=	1 qt.
4 qt. (liquid)	=	1 gal.

ACTIVITIES

Know Your Measuring Tools (K+)

Put students into small groups. Give each group member an unlabeled container (cup, pint, quart, half-gallon, gallon, etc.) Have the students label their containers through previous knowledge or by guessing.

Order Up! (K-2)

Fill equal size containers with different amounts of colored water. Have the students line the containers up based on the capacity of water they are holding.

Estimate Equivalents (2+)

Provide a variety of measuring tools. Let the student explore the tools to get aquatinted with them. Have the students estimate how many of the smaller containers will fit into the larger containers. After they have made their estimates, provide water for them to measure the accurate amounts. Using the measuring utensils, fill the containers keeping record of how many units it took to fill the containers. (Ex. How many quarts in a gallon?) Extension: Use a variety of everyday containers (soda bottle, soup can, milk jug, etc.) and find their equivalents.

Cooking with Equivalents (2+)

Explore a variety of different recipes with the students. Make one of the recipes together in class. Try doubling the recipe or making half the servings. For more advanced students, have them convert the recipe from standard to metric and vice versa. Use the newspaper to find a variety of recipes for kids to try doubling.

Scavenger Hunt (1+)

After students are familiar with different measurements, send them on a scavenger hunt to try and find equivalent containers for each measurement studied. They can find things in school, at home or in the community. Provide a checklist of different capacities to find.

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