

Converting Customary Units of Capacity Notes/Practice (pp. 1 of 2)

Changing Smaller Units to Larger Units

A baker has 16 quarts of blueberries for muffins. How many gallons of blueberries does she have?

Write down what you are supposed to find out. → 16 qt = ____ gal.

Write down what you know about quarts and gallons. → 4 qt = 1 gal
(You can get this information from the Grade 4 TAKS Mathematics Chart.)

Use a table to organize the information and determine the rule or process to convert the measurement units. →

Quarts	Rule/Process	Gallons
4	÷ 4	1
16	÷ 4	4

(Notice that quarts are smaller units than gallons, so you need to divide to convert.)

$$\begin{array}{r}
 4 \text{ gal.} \\
 4 \overline{) 16} \\
 \underline{-16} \\
 0
 \end{array}$$

The baker has 4 gallons of blueberries.

Changing Larger Units to Smaller Units

Sandra made 16 gal. of lemonade. How many quarts did she make?

Write down what you are supposed to find out. → 16 gal. = ____ qt

Write down what you know about gallons and quarts. → 1 gal = 4 qt
(You can get this information from the Grade 4 TAKS Mathematics Chart.)

Use a table to organize the information and determine the rule or process to convert the measurement units. →

Gallons	Rule/Process	Quarts
1	x 4	4
16	x 4	64

(Notice that gallons are larger units than quarts, so you need to multiply to convert.)

16 gal. = 64 quarts of lemonade.
Sandra made 64 quarts of lemonade.

Converting Customary Units of Capacity Notes/Practice (pp. 2 of 2)

Complete each of the following by using a table to organize the measurement units. Show your work.

Practice:

(1) 8 qt = _____ pt	(2) 56 fl oz = _____ c
(3) 5 c = _____ fl oz	(4) 3 gal. = _____ qt
(5) 5 qt = _____ c	(6) 18 c = _____ pt

Converting Customary Units of Capacity

Notes/Practice (pp. 1 of 2) **KEY**

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Converting Customary Units of Capacity

Notes/Practice (pp. 2 of 2) **KEY (Sample of Tables)**

Complete each of the following by using a table to organize the measurement units. Show your work.

Practice:

(1) 8 qt = **16** pt

<i>Quarts</i>	<i>Rule</i>	<i>Pints</i>
1	x 2	2
8	x 2	16

(2) 56 fl oz = **7** c

<i>Fluid Ounces</i>	<i>Rule</i>	<i>Cups</i>
8	÷ 8	1
56	÷ 8	7

(3) 5 c = **40** fl oz

<i>Cups</i>	<i>Rule</i>	<i>Fluid Ounces</i>
1	x 8	8
5	x 8	40

(4) 3 gal. = **12** qt

<i>Gallons</i>	<i>Rule</i>	<i>Quarts</i>
1	x 4	4
3	x 4	12

(5) 5 qt = **20** c

<i>Quarts</i>	<i>Rule</i>	<i>Cups</i>
1	x 4	4
5	x 4	20

(6) 18 c = **9** pt

<i>Cups</i>	<i>Rule</i>	<i>Pints</i>
2	÷ 2	1
18	÷ 2	9