Name _____

Solve Multi-step Customary Measurement Problems

(**I Can**) solve multi-step problems that include measurement conversions.

🔓 UNLOCK the Problem 🌎 Real World

Arun is making fruit punch for a family reunion. He needs to make 120 cups of punch. If he wants to store the fruit punch in gallon containers, how many gallon containers will Arun need?

Use the graphic organizer to help you solve the problem.

Conversion Table

	gal	qt	pt	c
1 gal	1	4	8	16
1 qt	$\frac{1}{4}$	1	2	4
1 pt	$\frac{1}{8}$	$\frac{1}{2}$	1	2
1 c	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	1

Read the Problem

What do I need to find?	**What information do I need to use?**	**How will I use the information?**
I need to find _____ _____ _____ _____ .	I need to use _____ _____ _____ .	I will make a table to show the relationship between the number of _____ and the number of _____ .

Solve the Problem

There are _____ cups in 1 gallon. So, each cup is _____ of a gallon. Complete the table below.

c	1	2	3	4	120
gal	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	

Multiply by _____.

So, Arun needs _____ gallon containers to store the punch.

● **MTR** Will all the gallon containers Arun uses be filled to capacity? Explain.

_____

(**Go Online**) For more help

Try Another Problem

Sharon is working on a project for art class. She needs to cut strips of wood that are each 1 foot long to complete the project. If Sharon has 7 strips of wood that are each 1 yard long, how many 1-foot strips can she cut?

Conversion Table

1 foot = 12 inches
1 yard = 3 feet

Read the Problem

What do I need to find?	What information do I need to use?	How will I use the information?

Solve the Problem

So, Sharon can cut _____ 1-foot lengths to complete her project.

- **MTR** What relationship does the table you made show? _____

Math Talk

MTR 2.1 Demonstrate understanding in multiple ways.

How could you use a diagram to solve this problem?