

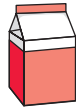
Measuring Capacity

NCTM Standards 1, 4, 6, 7, 8, 9, 10

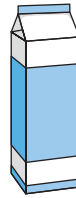
1 Complete the table.



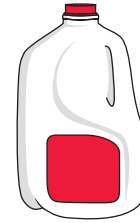
cup



pint



quart



gallon

Container	Cups	Fluid Ounces
1 cup	1 cup	8 fl oz
half pint	1 cup	
pint (2 half pints is 1 pint)		
quart (2 pints is 1 quart)		
half gallon (2 quarts is 1 half gallon)		
gallon (2 half gallons is 1 gallon)		



Keesha had a gallon jug of apple cider. She poured out four 12 fl oz glasses of apple cider and wanted to put the rest of the apple cider in a half-gallon pitcher.

2 How much apple cider is left in the jug? _____

3 Will it all fit in the half-gallon pitcher? Explain.

Solve. Explain your answer.



4 Seven people might each want a 6-ounce glass of juice. Shawn wants to make sure he has enough. How many quart containers of juice should he buy?



5 Cara read that it is a good idea to drink about 8 cups of water each day. If she drinks all of her water from pint bottles, how many bottles will she drink in a week?



6 Darius uses 2 cups of milk to make 6 servings of his famous cheese sauce. If he has to make enough cheese sauce to serve 100 people, how many gallons of milk does he need?

7 Clarice Cow can produce 9 gallons of milk in a day. _____ half pints
If the farmer puts half of Clarice's milk into half-pint containers and the rest into quart containers, how many of each type of container are filled each day? _____ quarts

8 **Challenge** Liu is using an 8-ounce container to fill a bird bath that holds 1 gallon of water. It takes her 30 seconds to fill the container and walk from the faucet to the bird bath and back. If she begins at 8:00 A.M., when will the bird bath be full?
