
How many ways to fill a jug?

CHALLENGE 1:

You will need:

1 empty milk carton (1 litre)

1 large empty water bottle (2 litres)

1 yoghurt cup

a) Pour cups of water using the yoghurt cup into the milk carton.

Always fill the cup completely to get the best results.

How many cups fill the milk carton?

Answer may vary.

b) Pour cups of water using the yoghurt cup into the water bottle.

How many cups fill the water bottle?

Answer may vary.

c) How many milk cartons fill the water bottle?

2 bottles

d) Did you notice anything between the results of the water bottle and the milk carton?

The water bottle holds double the milk carton.

CHALLENGE 2:



1 cup



Bottle
holds 4 cups



Jug
holds 12 cups

a) How many cups do you need to fill the bottle?

4 cups

b) How many cups do you need to fill the jug?

12 cups

c) How many bottles do you need to fill the jug?

3 bottles

d) Find 2 ways of filling the jug using both the cup and the bottle?

4 cups and 2 bottles

8 cups and 1 bottle