

Problem solving – capacity

Discover



Holly

- a) How many cartons of milk does Holly use for the pancake recipe?
- b) She pours equal amounts of the juice into five cups. How much juice will there be in each cup?

Share

a) The recipe says 600 ml milk.

Each carton contains 200 ml.



I will keep adding 200 ml until I reach 600 ml.

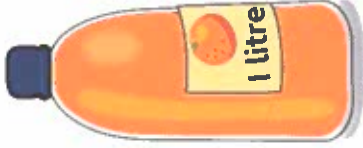
600 ml		
200 ml	200 ml	200 ml

Holly uses three 200 ml cartons of milk for the pancake recipe.

b) The bottle contains 1 l of juice.



How do I divide 1 l into 5 equal parts?



I will divide 1,000 ml by 5 instead. I know that 10 divided by 5 is 2.

1,000 ml				
200 ml	200 ml	200 ml	200 ml	200 ml

There will be 200 ml of juice in each cup.



hink together

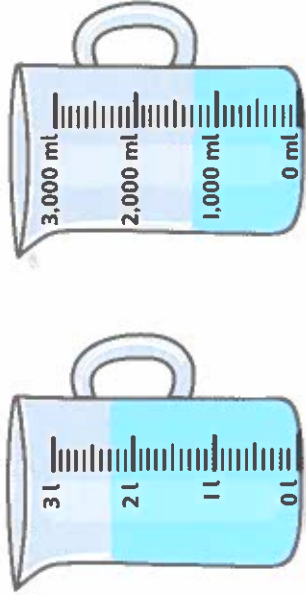
- a) Francesca uses 180 ml of shower gel in 6 days.
How much does she use each day?

180 ml					
ml	ml	ml	ml	ml	ml

Francesca uses ml each day.

- b) Does Francesca have enough shower gel left for another day?
 $200\text{ ml} - \text{ } = \text{ }$ ml. Is that enough for one day? _____

Francesca drinks 2 l 250 ml of water one day and 1,250 ml the next day. How much water does she drink altogether in the two days?



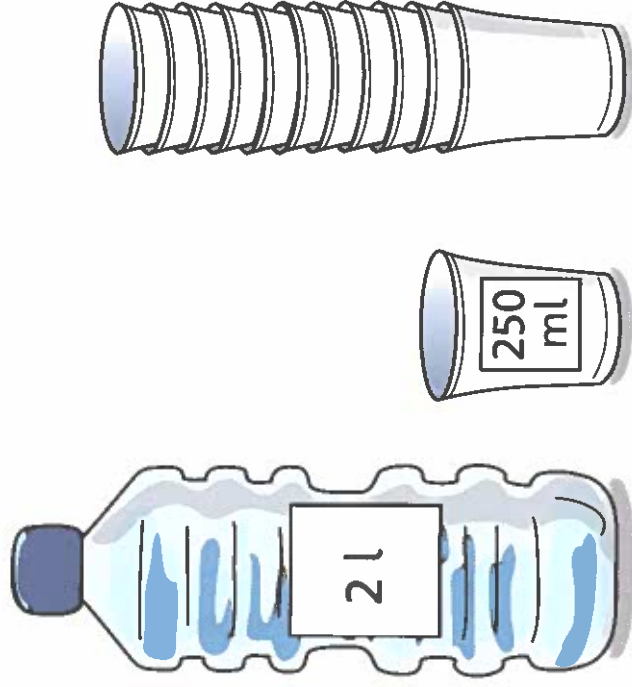
2 l 250 ml	1,250 ml
2 l 250 ml	l ml
l ml	l ml

Francesca drinks l ml altogether.

I will change the millilitres into litres and millilitres, then add the litres and millilitres separately.



- 3 Leon has a 2 l bottle of water and some cups.
Each cup holds 250 ml.



Remember,
1 l is 1,000 ml.



- a) How many cups can he fill from the bottle?

Leon can fill cups.

- b) If Leon fills six cups, how much water is left in the bottle?

6 cups = ml.

There are ml of water left in the bottle.

I could use a number line or a bar model to help me.

