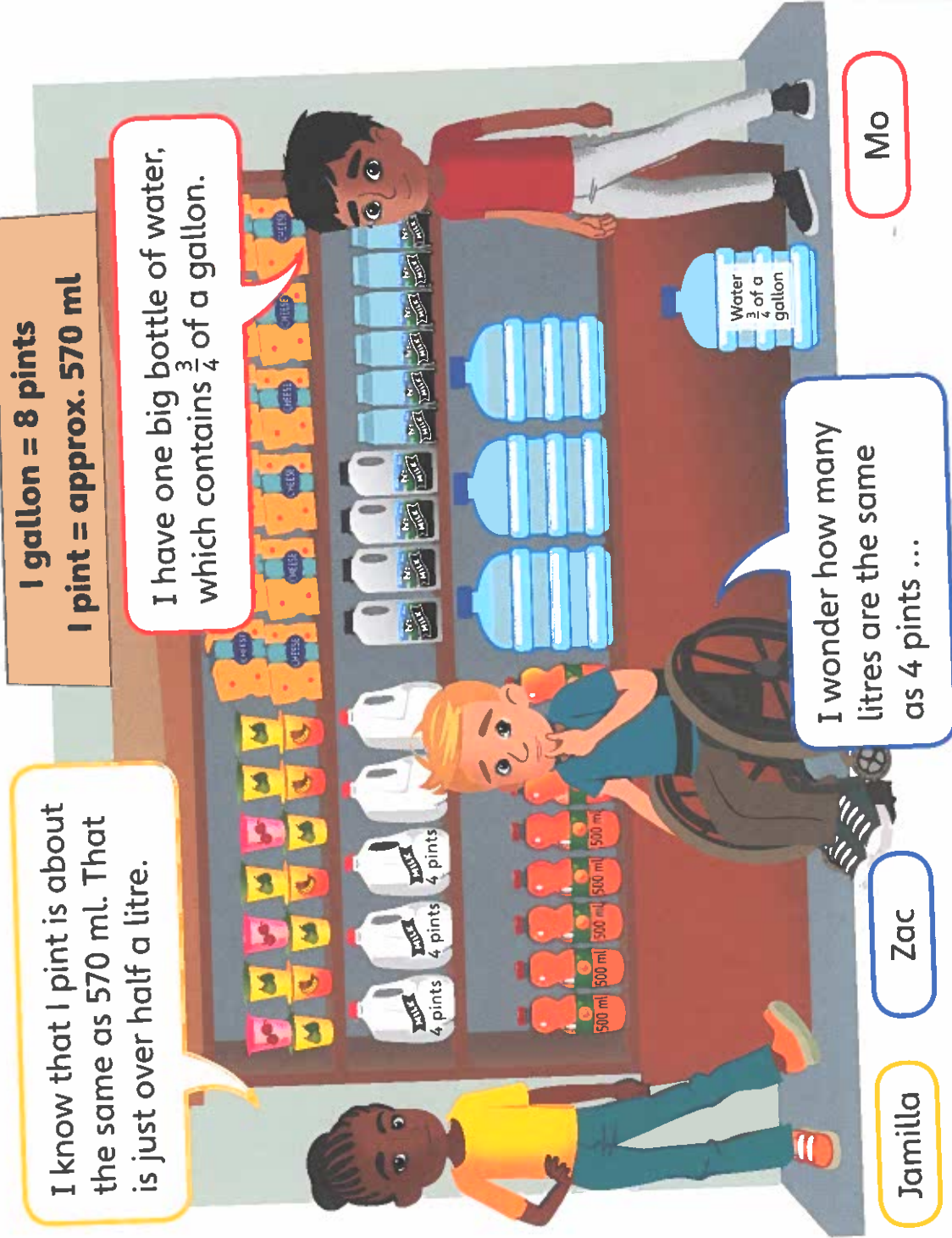


Imperial units of capacity

Discover



- 1 a) How many litres are approximately equal to 4 pints of milk?
- b) How many litres of water does Mo have?

Share

a) Pints and gallons are imperial units of capacity.

4 pints			
1 pint	1 pint	1 pint	1 pint
570 ml	570 ml	570 ml	570 ml

$$\begin{array}{r} 570 \\ \times 4 \\ \hline 2280 \end{array}$$

I am going to use short multiplication to find the total in millilitres. Then I will need to convert into litres.

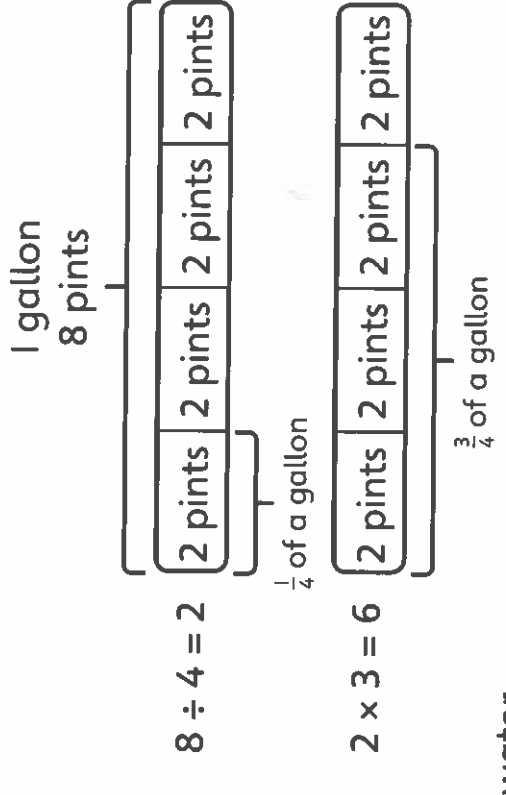
Th	H	T	O	•	Tth	Hth
2	2	8	0	•		
			2	•	2	8

$$2,280 \div 1,000 = 2.28$$

2.28 litres are approximately equal to 4 pints of milk.

b) $\frac{3}{4}$ of a gallon = 6 pints

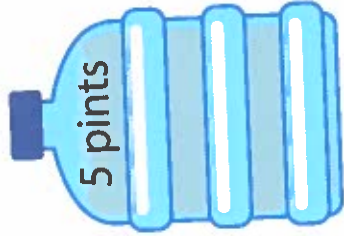
$$\begin{array}{r} 570 \\ \times 6 \\ \hline 3420 \end{array}$$



Mo has 3,420 millilitres of water.
 $3,420 \div 1,000 = 3.42$ Mo has 3.42 litres of water.

think together

- 1 a) This water container holds 5 pints of water.
Approximately how many litres is this the same as?



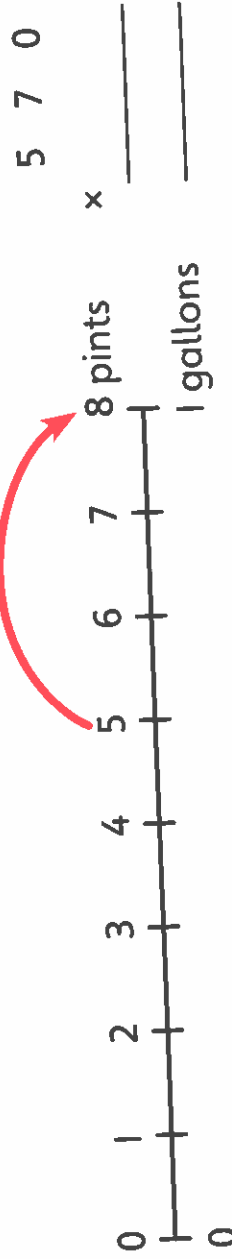
1 pint	1 pint	1 pint	1 pint	1 pint
ml	ml	ml	ml	ml

5 x =

÷ 1,000 =

5 pints are about the same as litres.

- b) What is the difference between the capacity of the container and 1 gallon? Write your answer in litres.



pints is the difference.

millilitres is the difference.

÷ 1,000 =

litres is the difference.

- 2 Is half a pint of milk more or less than a 330 ml can of lemonade?

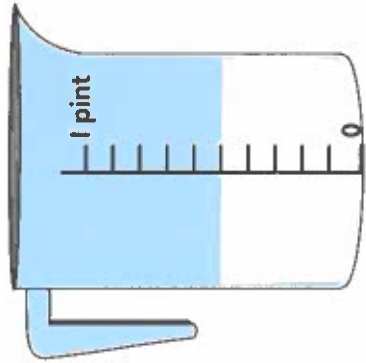
1 pint is approximately ml.

÷ 2 =

Half a pint is approximately ml.

ml is than 330 ml.

So half a pint of milk is than a 330 ml can of lemonade.



- 3 Can you fill up the bucket using the water in the container?

Will there be any left?



1 gallon = 8 pints

1 pint = approximately 570 ml

1 gallon is 570 ml, so there is not enough water in the container to fill the bucket.

That is not right! You need to use the number of pints in a gallon to help.



CHALLENGE