

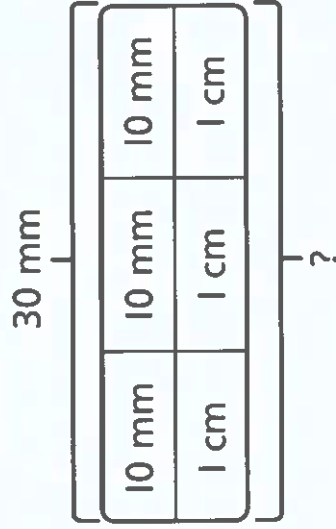
Metric units 2

1 a) A blade of grass is 30 mm long. How long is it in cm?

To convert mm into cm, _____ by .

30 mm =

The blade of grass is cm long.



b) A bottle of lemonade holds 1.2 litres. How many millilitres does it hold?

To convert _____ into _____,

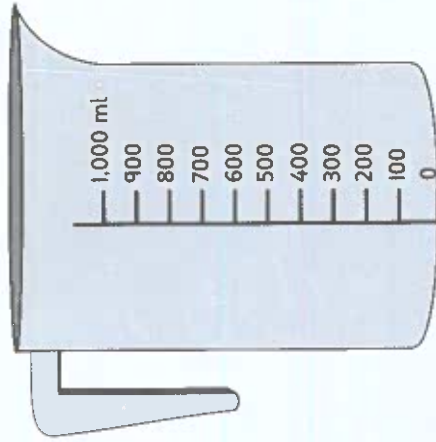
by .

1.2 l =

The bottle holds ml.

Th	H	T	O	•	Tth
			1	•	2
				•	

2 a) Draw an arrow to show 0.35 l on the jug.



b) Draw an arrow to show 0.65 m on the ruler.



3 Draw lines to match the correct strategy with each task.

- | | |
|---------|--|
| ÷ 10 | Convert an amount of water from millilitres into litres. |
| × 10 | Write a length in cm as m. |
| ÷ 1,000 | Convert the height of a building (in m) into cm. |
| × 1,000 | Change the height of a flower (in cm) into mm. |
| ÷ 100 | Convert the mass of a bag of sand (in kg) into g. |
| × 100 | Measure the width of a stamp in mm and convert it into cm. |

4 Complete the boxes.

- | | |
|---|---|
| a) 4,000 ml = <input type="text"/> l | e) 12 l 500 ml = <input type="text"/> ml |
| b) 15 l = <input type="text"/> ml | 12 l 500 ml = <input type="text"/> l |
| c) 7.2 l = <input type="text"/> l and <input type="text"/> ml | f) 9 l 2,500 ml = <input type="text"/> ml |
| d) 1,600 ml = <input type="text"/> l | 9 l 2,500 ml = <input type="text"/> l |

5 Lee measures the length of his table in metres and converts into centimetres. Mo measures the same distance in millimetres.



My number is 10 times Lee's!

Mo

Explain how you know Mo is right.

6 The three cups below hold different amounts of liquid. Amelia uses the cups to measure these amounts of water: 0.5 litres, 0.25 litres, 0.35 litres and 0.375 litres. Each time she only uses three cups. Complete the table to show which cups she uses each time.



First cup	Second cup	Third cup	Total
			0.5 l
			0.25 l
			0.35 l
			0.375 l



Danny

To convert 5.6 cm into millimetres, I need to divide by 10 because 10 mm equals 1 cm.

Reflect

Is Danny right or wrong? Explain your answer.

Metric units 3

1 Convert the measurements to find the totals.

a) 7,200 ml + 1 l = ml = ml

b) kg + g = g + g = g

c) In each of these examples, I converted the numbers by _____.

Th	H	T	O	•	Tth
			1	•	
				•	

Th	H	T	O	•	Tth
				•	
				•	

2 A length of string is 1.4 m long. An 80 cm long piece is cut from it.

What length of string is left in centimetres? Mark your answer on the ruler.

