CHALLENGE

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

lect

nny right or wrong?
in your answer.

To convert 5·6 cm into millimetres, I need to divide by 10 because 10 mm equals 1 cm.

Danny

→ Textbook 5C p156

Metric units 3

1 Convert the measurements to find the totals.

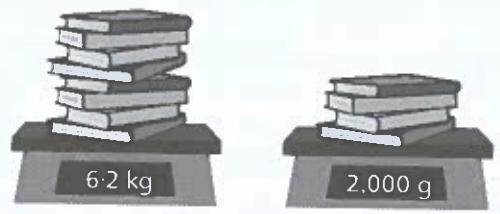
a)

Th	H	T	O	•	Tth
			1	•	
				•	

7,200 ml + 1 l

= ☐ ml + ☐ ml = ☐ ml

b)



Th	H	T	O	•	Tth
				•	
				•	

☐ kg + ☐ g

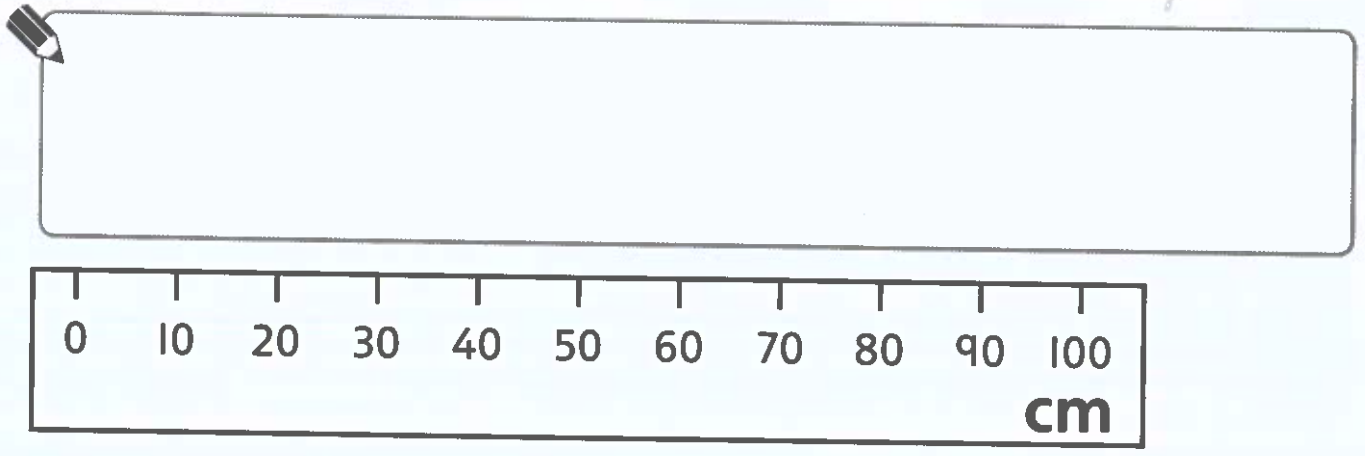
= ☐ g + ☐ g = ☐ g

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

_____.

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.



Show how you can find each answer using two different units.

a) 800 g + $\frac{1}{2}$ kg

= 800 g + ☐ g

= ☐ g

800 g + $\frac{1}{2}$ kg

= ☐ kg + ☐ kg

= ☐ kg

b) 10·5 cm – 62 mm

= 10·5 cm – ☐ cm

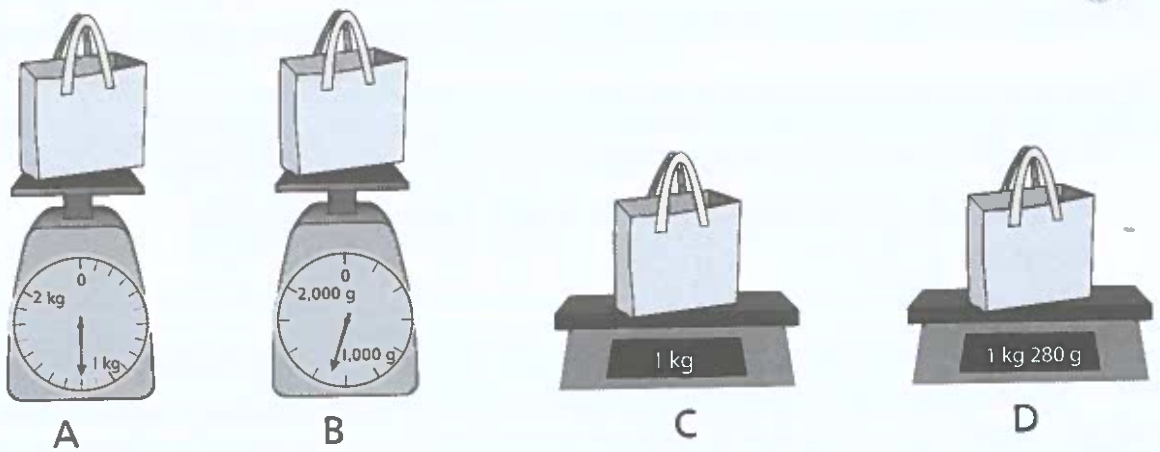
= ☐ cm

10·5 cm – 62 mm

= ☐ mm – 62 mm

= ☐ mm

4 Put these shopping bags in order from lightest to heaviest.



A B C D

Lightest _____ , _____ , _____ , _____ Heaviest

5 Richard makes some orange squash by mixing $\frac{1}{10}$ litre of orange juice with 1 litre of water.

CHALLENGE

He pours 300 ml of squash into a glass.

a) How many millilitres of squash does he have left? Show your working.

Richard has ☐ ml of squash left.

b) Richard divides the rest of the squash into 4 glasses equally. How much squash is in each glass?

Each glass has ☐ ml of squash.

Reflect

How would you write the total of 250 m and 0·6 km in metres?