Convert metric measures

1 How many centimetre cubes can you fit along a metre stick?

100

What does this tell you?

2 Complete the sentences.

a) There are 1,000 grams in 1 kilogram.

There are 1,000 kilograms in one tonne.

b) There are 1,000 millilitres in 1 litre.

c) There are 10 millimetres in 1 centimetre

There are 100 centimetres in 1 metre.

There are 1,000 metres in 1 kilometre.

3 Complete the bar models.

a)

1 km	1 km	1 km	1 km
1,000 m	1,000 m	1,000 m	1,000 m

There are 4,000 m in 4 km.

b)

1 kg	1 kg	1 kg	1 kg	1 kg	1 kg	$\frac{1}{2}$ kg
1,000 g	1,000 g	1,000 g	1,000 g	1,000 g	1,000 g	500 g

There are 6,500 g in $6\frac{1}{2}$ kg.

4 Complete the conversions.

a) 2 kg = 2,000 g

5 kg = 5,000 g

10 kg = 10,000 g

12kg = 12,000 g

b) 1 l = 1,000 ml

5 l = 5,000 ml

11 l = 11,000 ml

5 A bag of dog food weighs 2.5 kg.

Write this weight in grams.

2,500g

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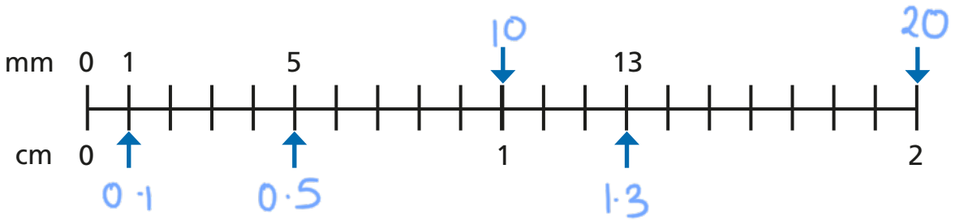
6 What measurements are the arrows pointing to?

Label them on the number line.



7 Complete the conversions.

a) 10 mm = 1 cm

11 mm = 1·1 cm

110 mm = 11 cm

11 mm = 1.1 cm

101 mm = 10.1 cm

b) 2.1 km = 2,100 m

2.001 km = 2,001 m

2.01 km = 2,010 m

2.011 km = 2,011 m

8 Write > , < or = to complete the statements.

a) 100 m < 1 km

10 m > 10 cm

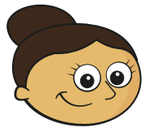
10.1 mm < 101 cm

b) 5.1 l = 5,100 ml

607 l > 0.607 ml

0.05 l > 5 ml

9 Dora and Amir are trying to convert 1.05 metres into millimetres.



Dora: You can multiply 1.05 by 100 to convert it into centimetres, then multiply the product by 10 to convert it into millimetres.

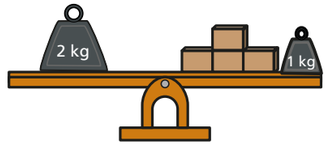
Amir: You can just multiply 1.05 by 1,000!

Who do you agree with? Both

Explain your thinking.

10 What is the mass of one of the boxes?

Give your answer in grams.



250g

11 There are 1,000 kg in one tonne.

a) How many grams are there in one tonne?

1,000,000g

b) A car weighs 1.3 tonnes.

Write the weight of the car in grams.

1,300,000g

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