(3) Complete the bar models.
a)

| 1 km | 1 km | 1 km | 1 km |
| :---: | :---: | :---: | :---: |
| $1,000 \mathrm{~m}$ | $1,000 \mathrm{~m}$ |  |  |

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


What does this tell you?
There are $\square$ m in 4 km .
b)

| 1 kg | 1 kg | 1 kg | 1 kg | 1 kg | 1 kg | $\frac{1}{2} \mathrm{~kg}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1,000 \mathrm{~g}$ | $1,000 \mathrm{~g}$ | $1,000 \mathrm{~g}$ |  |  |  |  |

There are $\square$ g in $6 \frac{1}{2} \mathrm{~kg}$.

2 Complete the sentences.
a) There are $\square$ grams in 1 kilogram.

There are $\square$ kilograms in 1 tonne.
b) There are $\square$ millilitres in 1 litre.
c) There are $\square$ millimetres in 1 centimetre.

There are $\square$ centimetres in 1 metre.

There are $\square$ metres in 1 kilometre.
(4) Complete the conversions.
a)

b) $1 \mathrm{l}=$


5 The mass of a bag of dog food is 2.5 kg . Write this mass in grams.


What measurements are the arrows pointing to?
Label them on the number line.


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


You can just multiply 1.05 by 1,000 !

Who do you agree with?
Explain your thinking.

10
What is the mass of one of the boxes?
Give your answer in grams.


11 There are $1,000 \mathrm{~kg}$ in one tonne.
a) How many grams are there in one tonne?
b) The mass of a car is 1.3 tonnes.

Write the mass of the car in grams.
$\square$

