

Convert metric units



1 Complete each bar model and conversion.

a)

1 m	1 m	1 m	1 m	1 m
100 cm	100 cm			

5 m = cm

b)

1 kg	1 kg	1 kg	1 kg		
1,000 g					

6 kg = g

c)

1 km	1 km	1 km	0.5 km
1,000 m			

3.5 km = m

d)

10 mm	10 mm	10 mm	10 mm	10 mm	10 mm		
1 cm	1 cm						

80 mm = cm

e)

1 m	1 m	0.5 m
100 cm		
1,000 mm		

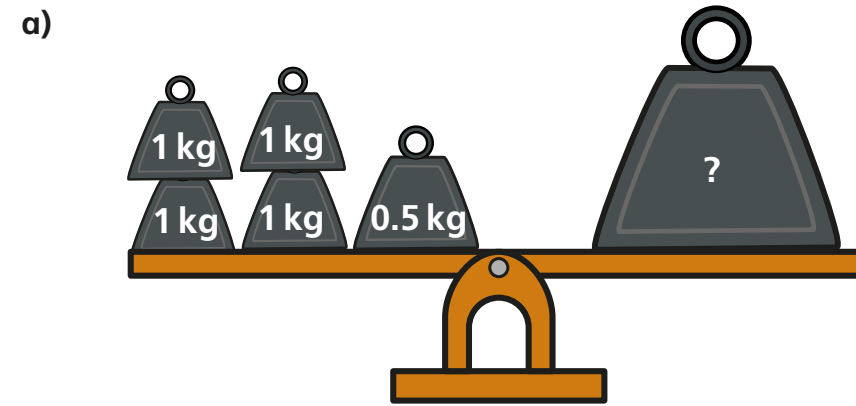
2.5 m = mm

f)

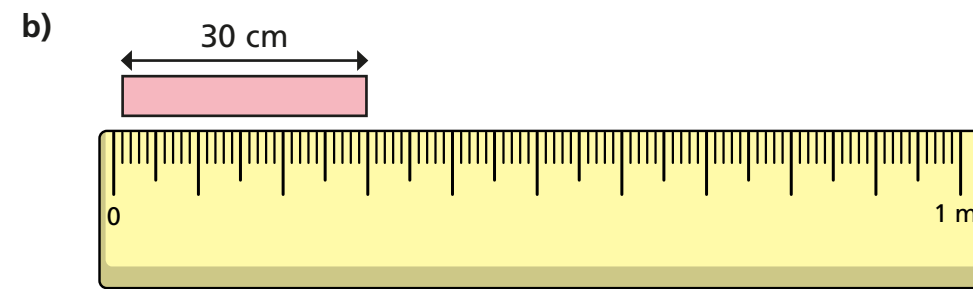
1,000 ml	1,000 ml	1,000 ml	1,000 ml	250 ml
1 l				

4,250 ml = l

2 Convert these measures.



4.5 kg = g



30 cm = m



2.5 l = ml

3 Work out these conversions.

$5 \text{ m} = \boxed{} \text{ cm}$

$300 \text{ cm} = \boxed{} \text{ m}$

$5.5 \text{ m} = \boxed{} \text{ cm}$

$350 \text{ cm} = \boxed{} \text{ m}$

$5.7 \text{ m} = \boxed{} \text{ cm}$

$370 \text{ cm} = \boxed{} \text{ m}$

$5.07 \text{ m} = \boxed{} \text{ cm}$

$307 \text{ cm} = \boxed{} \text{ m}$

$15.7 \text{ m} = \boxed{} \text{ cm}$

$1,300 \text{ cm} = \boxed{} \text{ m}$

4 Work out these conversions.

a) $2 \text{ kg} = \boxed{} \text{ g}$

c) $2,000 \text{ m} = \boxed{} \text{ km}$

$3.2 \text{ kg} = \boxed{} \text{ g}$

$2,800 \text{ m} = \boxed{} \text{ km}$

$3.02 \text{ kg} = \boxed{} \text{ g}$

$12,000 \text{ m} = \boxed{} \text{ km}$

b) $5 \text{ l} = \boxed{} \text{ ml}$

d) $5,200 \text{ g} = \boxed{} \text{ kg}$

$8.4 \text{ l} = \boxed{} \text{ ml}$

$5,280 \text{ g} = \boxed{} \text{ kg}$

$0.35 \text{ l} = \boxed{} \text{ ml}$

$5,285 \text{ g} = \boxed{} \text{ kg}$

$1.35 \text{ l} = \boxed{} \text{ ml}$

$285 \text{ g} = \boxed{} \text{ kg}$

5 A jug contains 2.55 l of juice.

A glass can hold 200 ml.



a) How many full glasses of juice can be poured using the juice in the jug?

glasses

b) How much juice will be left in the jug? Give your answer in litres.

l

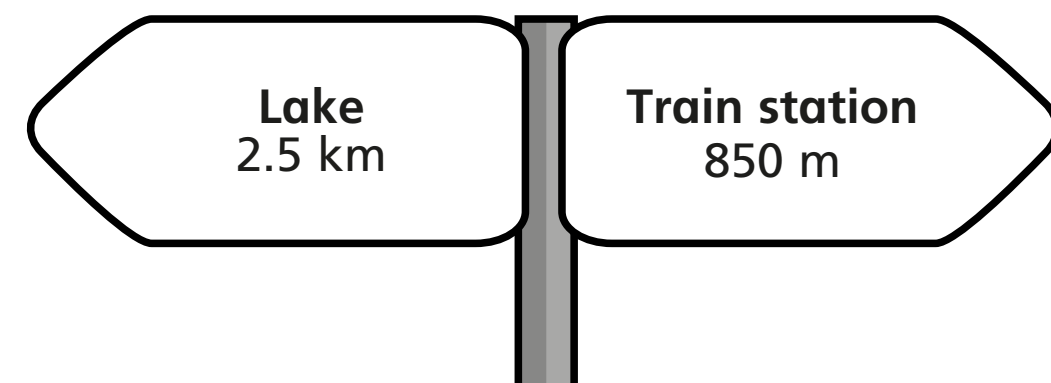
6 Huan is 167 cm tall.

Kim is 0.15 m taller than Huan.

How tall is Kim in metres?

m

7



What is the distance between the lake and the train station?

State the units of your answer.

