

- 1 The bar model shows that 1 m is equal to 1,000 mm.
Use the bar models to complete the conversions.

1 m
1,000 mm

a)

1 m	1 m	1 m	1 m	1 m	1 m

 6 m = mm

b)

1 m	1 m	1 m

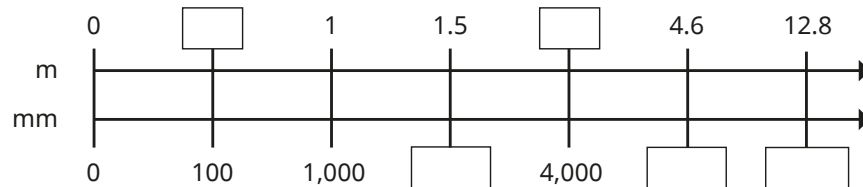
 3 m = mm

c)

1,000 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm

 m = 5,000 mm

- 2 Find the missing values to convert between metres and millimetres.



- 3 Alex and Jack are converting 3.5 m into millimetres.



I'm going to use bar models.

Alex

I'm going to use a double number line.

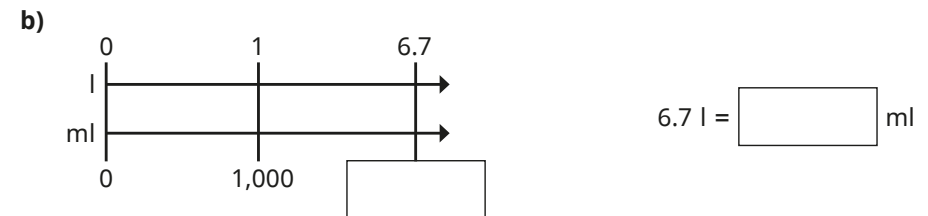
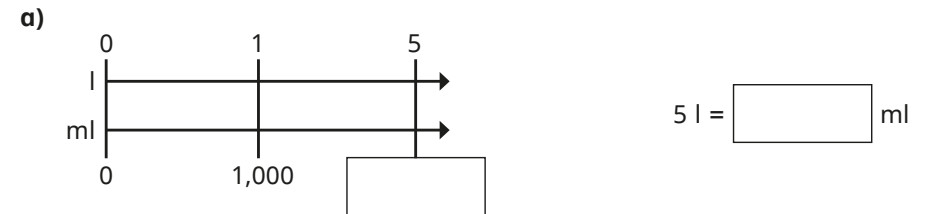


Jack

- a) Whose method do you prefer?
Explain your answer.
- b) Complete the conversion.

- 4 Use the information to complete the representations and conversions.

1 litre = 1,000 ml



c)

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

 4 l = ml

d)

1 l			
1,000 ml	1,000 ml	1,000 ml	500 ml

 l = 3,500 ml

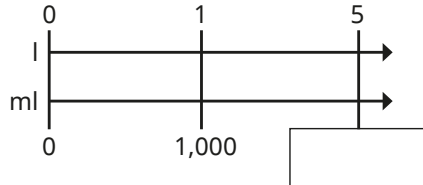
- 5 Complete the conversions.

- a) 15 m = mm e) 11.05 m = mm
- b) 15 l = ml f) ml = 71.25 l
- c) 63,000 ml = l g) mm = 0.1 m
- d) 47,500 mm = m h) 100 l = ml

- 4 Use the information to complete the representations and conversions.

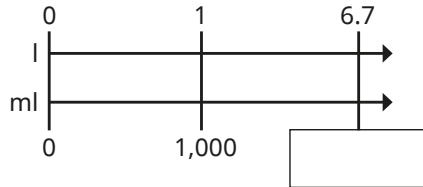
1 litre = 1,000 ml

a)



5 l = ml

b)



6.7 l = ml

c)

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

4 l = ml

d)

1 l			
1,000 ml	1,000 ml	1,000 ml	500 ml

l = 3,500 ml

- 5 Complete the conversions.

- a) 15 m = mm
 b) 15 l = ml
 c) 63,000 ml = l
 d) 47,500 mm = m
 e) 11.05 m = mm
 f) ml = 71.25 l
 g) mm = 0.1 m
 h) 100 l = ml

- 6 Write <, > or = to compare the measurements.

a) $\frac{2}{5}$ m 600 mm

b) $\frac{9}{10}$ l + 100 ml 1,000 ml

c) 0.8 m - 300 mm $\frac{7}{10}$ m

d) $\frac{1}{5}$ l + 200 ml + $\frac{4}{5}$ ml $\frac{1}{4}$ l + 1 l

- 7 A piece of string is 2.76 m long.
How many 30 mm pieces can be cut from the string?

- 8 Orange juice is sold in bottles and cartons.
Tom buys 12 cartons and 5 bottles of juice.



He pours them into glasses with 200 ml of juice in each glass.
 He sells each glass of juice for 40p.
 He sells all the glasses of juice.
 How much profit does he make?