Varied Fluency
Step 3: Metric Units

National Curriculum Objectives:

Mathematics Year 5: (5M5) Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)

Differentiation:

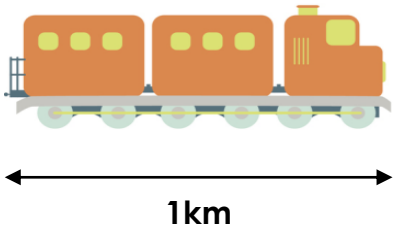
Developing Questions to support converting between different units of length (including millimetres to metres, metres to kilometres, millimetres to centimetres, and centimetres to metres). Multiples of 10.
Expected Questions to support converting between different units of length (including millimetres and metres, metres and kilometres, millimetres and centimetres, and centimetres and metres). Any numbers including some use of zero as a place holder and some fractions.
Greater Depth Questions to support non-direct conversions between different units of length (millimetres, metres, kilometres and centimetres). Any numbers including the use of zero as a place holder and some fractions.

More Year 5 Converting Units resources.

Did you like this resource? Don't forget to review it on our website.

Metric Units

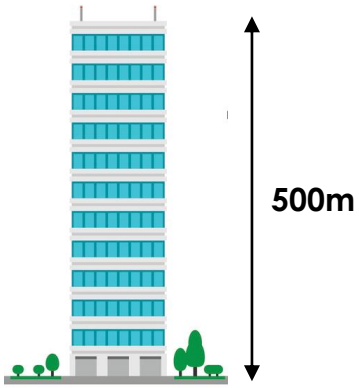
1a. Convert the length of the train to metres.



D VF

Metric Units

1b. Convert the height of the building to kilometres.



D VF

2a. True or false?

40cm < 4mm

D VF

2b. True or false?

200cm = 2m

D VF

3a. Fill in the missing symbol to make the statement correct.

3m ☐ 200cm

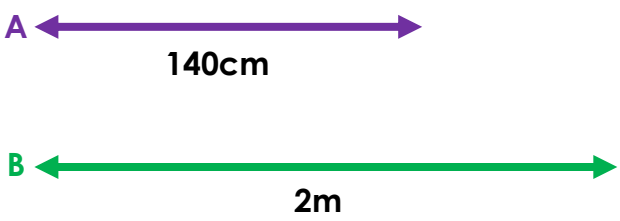
D VF

3b. Fill in the missing symbol to make the statement correct.

1,000mm ☐ 1m

D VF

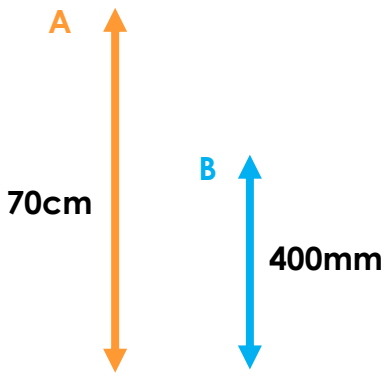
4a. How much longer is line B than line A?



Give your answer in centimetres.

D VF

4b. How much taller is line A than line B?

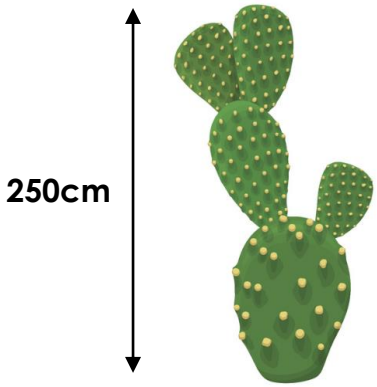


Give your answer in millimetres.

D VF

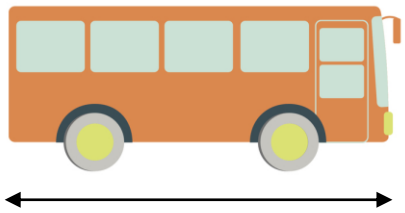
Metric Units

5a. Convert the height of the cactus to metres.



E VF

5b. Convert the length of the bus to centimetres.



E VF

6a. True or false?

46km = 4,600m

E VF

6b. True or false?

1,050mm < 1.5m

E VF

7a. Fill in the missing symbol to make the statement correct.

$4\frac{1}{2}$ m ☐ 500cm

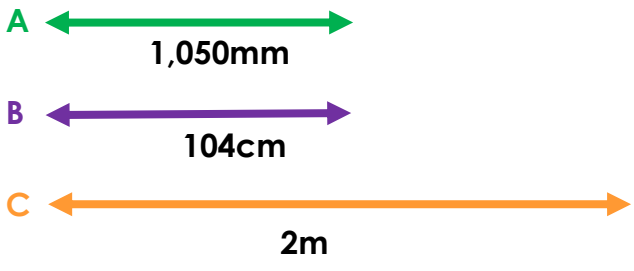
E VF

7b. Fill in the missing symbol to make the statement correct.

$1\frac{2}{5}$ km ☐ 125m

E VF

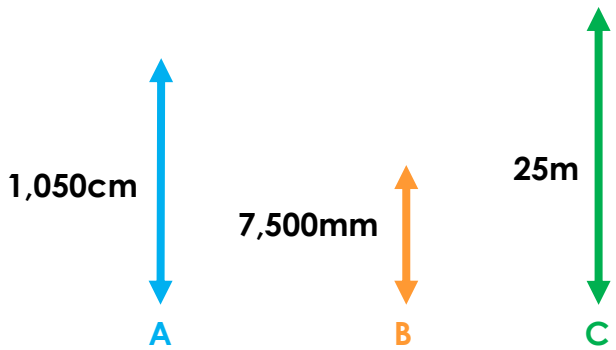
8a. Find the difference between the longest line and the shortest line.



Give your answer in centimetres.

E VF

8b. Find the difference between the longest line and the shortest line.



Give your answer in metres.

E VF

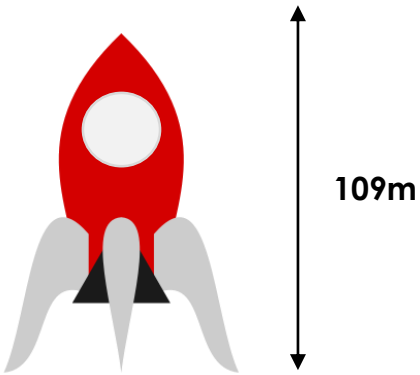
Metric Units

9a. Convert the length of the bike to millimetres.

GD VF

Metric Units

9b. Convert the height of the rocket to kilometres.



GD VF

10a. True or false?

0.45km = 450,000m

GD VF

10b. True or false?

142,050mm > 143m

GD VF

11a. Fill in the missing symbol to make the statement correct.

$2\frac{1}{2}$ cm ☐ 30mm ☐ 0.04m

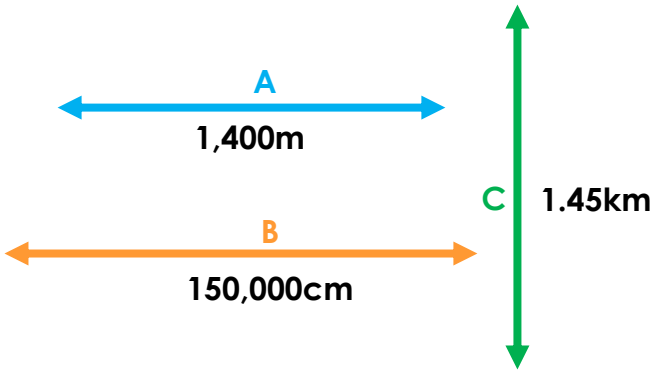
GD VF

11b. Fill in the missing symbol to make the statement correct.

$\frac{1}{10}$ km ☐ 9m ☐ 901cm

GD VF

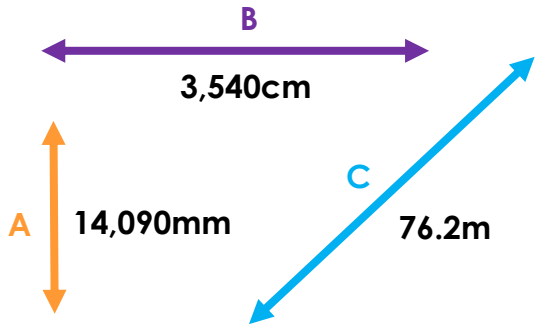
12a. Find the difference between the longest line and the shortest line.



Give your answer in centimetres.

GD VF

12b. Find the difference between the longest line and the shortest line.



Give your answer in metres.

GD VF

Varied Fluency
Metric Units

Developing
1a. 1,000m
2a. False; 40cm > 4mm
3a. >
4a. 60cm

Expected
5a. 2.5m
6a. False; 46km > 4,600m
7a. <
8a. 96cm

Greater Depth
9a. 1,050mm
10a. False; 0.45km < 450,000m
11a. <, <
12a. 10,000cm

Varied Fluency
Metric Units

Developing
1b. 0.5km
2b. True
3b. =
4b. 300mm

Expected
5b. 1,400cm
6b. True
7b. >
8b. 17.5m

Greater Depth
9b. 0.109km
10b. False; 142,550mm < 143m
11b. >, <
12b. 62.11m