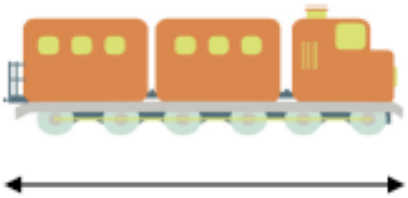
Bronze

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



VF

2a. True or false?

40cm < 4mm

VF

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

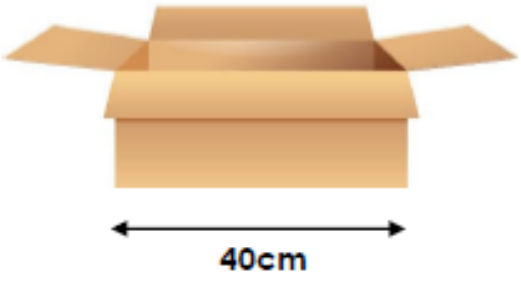
3m ☐ 200cm

VF

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

Give your answer in centimetres.

1b. Cecilia needs to fit nine 5cm packages into her storage box.



Will the packages fit?
How many cm are spare/needed?

PS

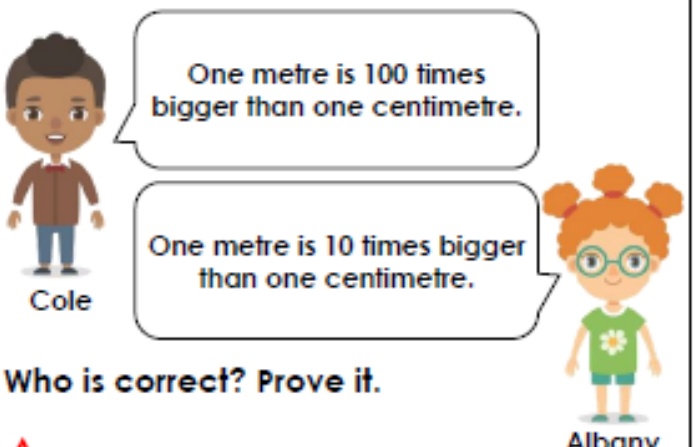
2b. Jensen is converting cm to mm in the table below.

cm	mm
120	12
210	2,100
950	9,500

Explain and correct his mistakes.

R

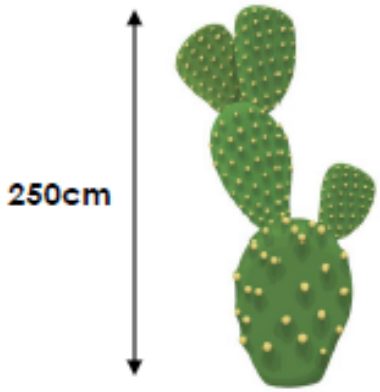
3b. Cole and Albany are converting centimetres to metres.



Who is correct? Prove it.

Silver

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



VF

6a. True or false?

46km = 4,600m

VF

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

$4\frac{1}{2}$ m ☐ 500cm

VF

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

A 1,050mm

B 104cm

C 2m

Give your answer in centimetres.

4b. Johnny wants to hang eight picture frames on his 2.1m wall.

Will the picture frames fit?
How many m are spare/needed?

PS

5b. Ricardo is converting metres to centimetres and millimetres using the table below.

m	cm	mm
0.9	9	900
1.3	130	13,000
5.08	50.8	5,080

Explain and correct his mistakes.

R

6b. Cassie and Anthony are converting centimetres to metres.

Cassie: 'Centi' in centimetres means 100 so it is easy to remember how many centimetres are in one metre.

Anthony: 'Centi' in centimetres means 10 so it is easy to remember how many centimetres are in one metre.

Who is correct? Why?

Gold

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

1.05m

VF

10a. True or false?

0.45km = 450,000m

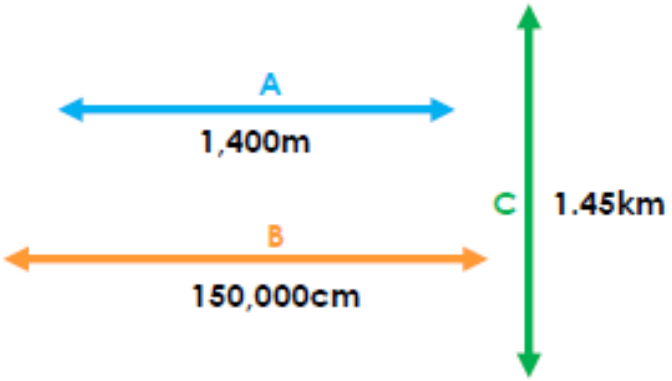
VF

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

$2\frac{1}{2}$ cm ☐ 30mm ☐ 0.04m

VF

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



Give your answer in centimetres.

7b. Moira wants to fit four 31.5cm placemats and three 7.5cm coasters in a row on her table.

$1\frac{1}{2}$ m

Will the placemats and coasters fit? How many cm are spare/needed?

PS

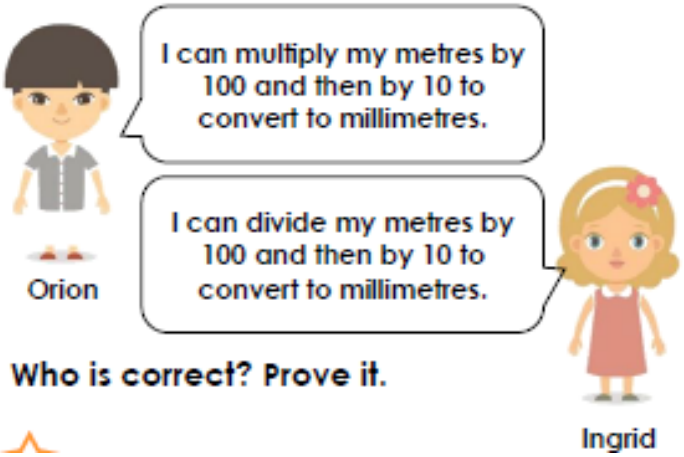
8b. Karla is converting metres to centimetres and millimetres using the table below.

m	cm	mm
10	10,000	10,000
8.02	802	8,020
6.04	60.4	6,040
0.21	21	2,100
0.01	1	100

Explain and correct her mistakes.

R

9b. Orion and Ingrid are converting metres to millimetres.



Who is correct? Prove it.

Challenge

1. Amanda is displaying toys in her shop on a shelf display which is 2.48m wide. How could she arrange any of the toys below to fill the shelf, using only one of each toy? There needs to be a minimum gap of 20mm at both ends of the shelf and between each toy. Investigate different combinations of toys that can be displayed on the shelf.

DP