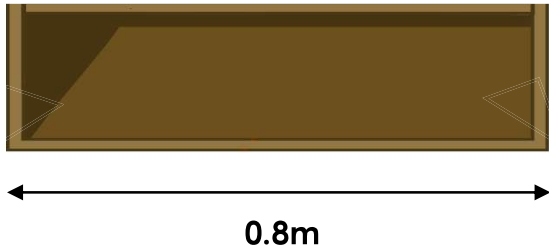


Metric Units

1a. Finn needs to fit seven 10cm books into his bookcase.



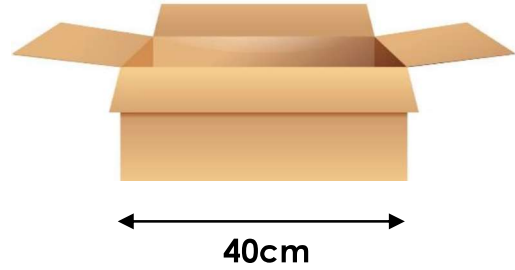
Will the books fit?
How many cm are spare/needed?



PS

Metric Units

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



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



PS

2a. Sufya is converting cm to m in the table below.

cm	m
50	0.5
110	11
360	3.6

Explain and correct her mistakes.



R

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

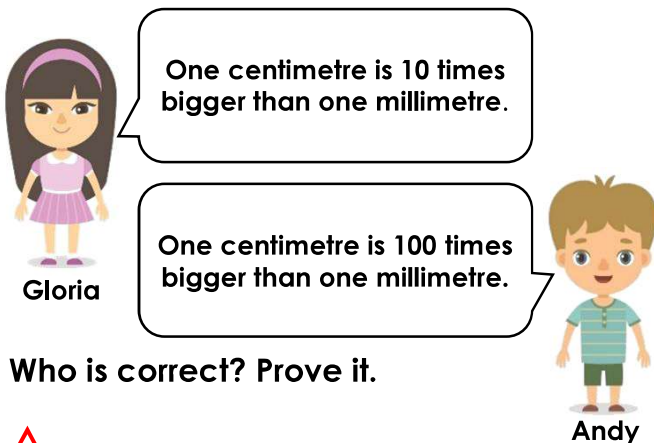
cm	mm
120	12
210	2,100
950	9,500

Explain and correct his mistakes.



R

3a. Gloria and Andy are converting millimetres to centimetres.

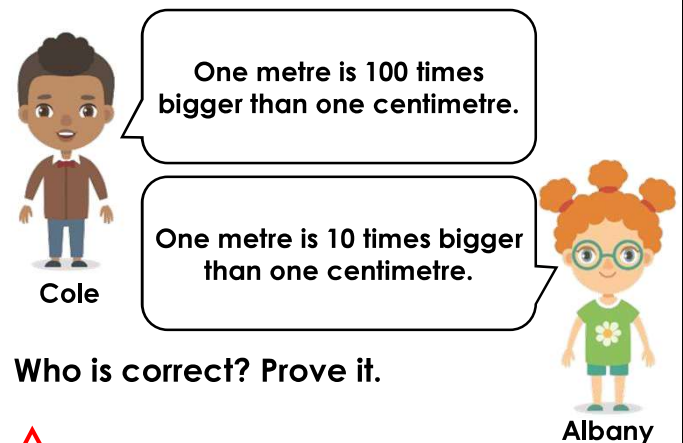


Who is correct? Prove it.



R

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



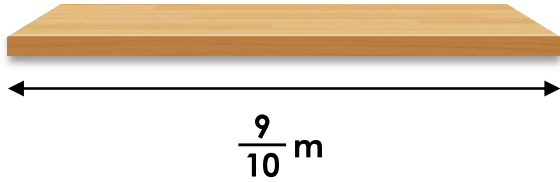
Who is correct? Prove it.



R

Metric Units

4a. Holly needs to fit seven 12cm boxes on this shelf.



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



PS

Metric Units

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

5a. Amelia is converting millimetres to centimetres and metres using the table below.

mm	cm	m
700	70	7
4,600	460	4.6
8,100	81	8.1

Explain and correct her mistakes.



R

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

6a. Shaun and Sarah are converting millimetres to metres.

Shaun: 'Milli' in millimetres means 1,000 so it is easy to remember how many millimetres are in one metre.

Sarah: 'Milli' in millimetres means 100 so it is easy to remember how many millimetres are in one metre.

Who is correct? Why?



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?



R

Metric Units

7a. Mason wants to fit eight 3.2cm books and six 0.9cm magazines on his windowsill.



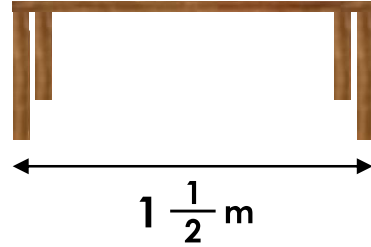
Will the books and magazines fit?
How many cm are spare/needed?



PS

Metric Units

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



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



PS

8a. Garrett is converting millimetres to centimetres and metres using the table below.

mm	cm	m
506	5.06	0.506
901	90.1	9.01
1,060	106	10.6
5,034	503.4	5.034
9,010	901	90.1

Explain and correct his mistakes.



R

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

9a. Miley and Billy are converting millimetres to metres.



Miley

I need to multiply my millimetres by 1,000 to convert them to metres.

I need to divide my millimetres by 1,000 to convert them to metres.



Billy

Who is correct? Why?



R

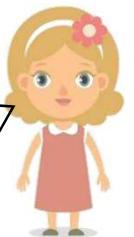
9b. Orion and Ingrid are converting metres to millimetres.



Orion

I can multiply my metres by 100 and then by 10 to convert to millimetres.

I can divide my metres by 100 and then by 10 to convert to millimetres.



Ingrid

Who is correct? Prove it.



R