

# Converting units of length metric units

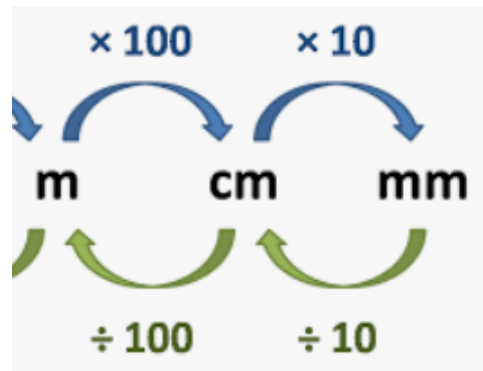
Today, we are continuing with our work on converting length in metric units.

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Watch the video from lesson 1 (Metric Units)

Pause the video and complete the activities today.

Remember:



Remember to use your knowledge from yesterday's lesson. If you didn't finish yesterday's work, complete this before moving on.

**Try the activities on the next few slides, choose from bronze, silver or gold level. You only need to pick one level however, you can choose to complete more if you want to.**





Fill in the missing symbol to make the statement correct.

1,000mm



1m

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.

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



0.8m

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

Metres	Centimetres	Millimetres
0.327		
0.794		
0.329		
0.818		
0.651		
0.215		
0.802		
0.57		
0.845		
0.453		



True or false?

$$1,050\text{mm} < 1.5\text{m}$$

Metres	Centimetres	Millimetres
		546
	84.4	
0.842		
	60.7	
		820
	89.4	
0.011		
		271
	83.9	
0.107		

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.

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

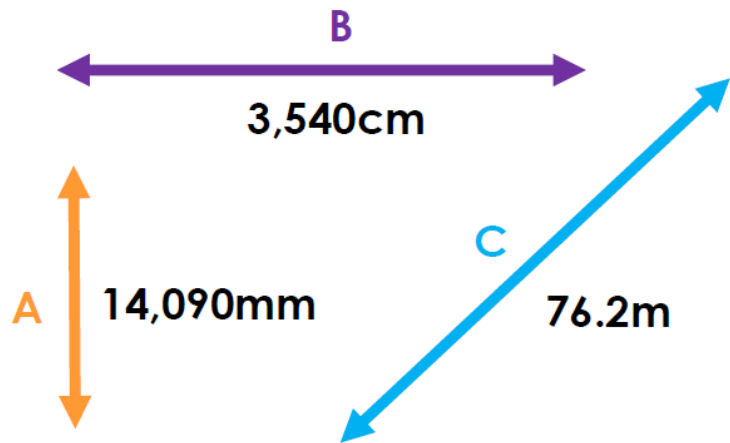


Will the picture frames fit?  
How many m are spare/needed?



Metres	Centimetres	Millimetres
	767.7	
9.489		
	187.5	
		3966
		5257
2.534		
		5295
7.231		
	359.4	
		5304

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



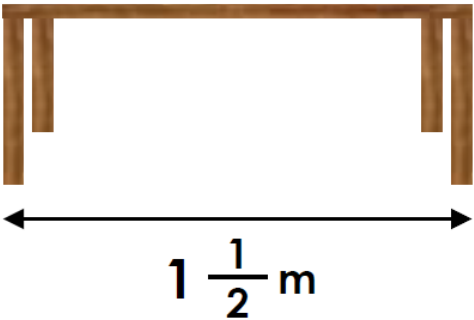
Give your answer in metres.

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.

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?