WALT convert metric units.

Please complete as many of these challenges as you can.

◆ Measure the height of the piles of books in centimetres.

Find the difference between the tallest and shortest pile of books millimetres.

◆ Line A is 6 centimetres long.
Line B is 54 millimetres longer than line A.
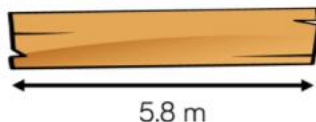Line C is $\frac{2}{3}$ of line B.
Draw lines A, B and C.

◆ Here are the heights of 4 children.

Whitney	Jack	Rosie	Mo
1.3 m	124 cm	1.32 m	141 cm

Put the children in height order, starting with the shortest.
Write their heights in millimetres.

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A plank of wood is 5.8 metres long.

5.8 m
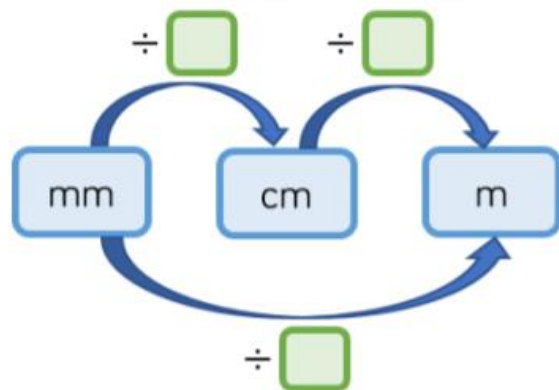
Two lengths are cut from the wood.

175 cm	$3\frac{4}{5}$ m

How much of the wood is left?

Complete the conversion diagram.

Can you make a diagram to show conversions from m and cm to mm?

A 10 pence coin is 2 mm thick.

Eva makes a pile of 10 pence coins worth
£1.30
What is the height of the pile of coins in centimetres?

Dora says,

One metre is 100 times bigger than one centimetre. One centimetre is 10 times bigger than one millimetre. So, one metre is 110 times bigger than one millimetre

Is Dora correct?
Explain your answer.