Year 6 Unit 3 Extension Activity Answers

We are revisiting how to multiply or divide numbers by 10, 100 or 1000

We can apply this principle very easily to measurement because there are 10 millimetres (mm) in one centimetre (cm), 100 centimetres in one metre (m) and 1000 metres in one kilometre (km)

How many mm are there in one cm? 10mm
How many mm are there in 10cm? 100mm
How many mm are there in one metre? 1000mm
How many mm are there in one km? 1000,000mm (1 million)

How many cm are there in one m? 100cm
How many cm are there in one km? 100,000cm

Change 5.5m into cm 550cm
Change 68km into m 6,800m
Change 12m into mm 12,000mm

Change 853cm into m 8.53m
Change 45,690m into km 45.69km
Change 34,645cm into m 346.45m

How many times would your metre stick fit into one kilometre if you measured the road outside? Exactly 1000 times

Roughly how many times would your 30cm ruler fit into one kilometre? Just over three times this (as the 30cm ruler is just over three times smaller than a metre stick) = approximately 3,000 times. This would take a long time to measure!

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