

Autumn 2 Week 2 Maths Lesson 1: LO: To use, read and write in standard units of length.

The standard units of length you need to use are;

Kilometres (km), Metres(m), Centimetres(cm) and Millimetres (mm).

You also need to know the conversion equivalents;

1 kilometre = 1,000 metres

1 metre = 100 centimetres

1 centimetre = 10 millimetres

Finally you need to know how to convert standard units of length;

To convert kilometres to metres multiply by 1,000 - **to convert metres to kilometres divide by 1,000**

To convert metres to centimetres multiply by 100 – **to convert centimetres to metres divide by 100**

To convert centimetres to millimetres multiply by 10 – **to convert millimetres to centimetres divide by 10**

Autumn 2 Week 2 Maths Lesson 1: LO: To use, read and write in standard units of length.

This table shows the relationship between the metric units.

1000	100	10	1	0.1	0.01	0.001
km	-	-	m	-	cm	mm
8	0	0	0			
			4			
				3	7	
				2	3	0

$$8000 \text{ m} = 8 \text{ km}$$

$$4 \text{ m} = 400 \text{ cm} = 4000 \text{ mm}$$

$$37 \text{ cm} = 0.37 \text{ m}$$

$$230 \text{ mm} = 0.23 \text{ m}$$

Autumn 2 Week 2 Maths Lesson 1: LO: To use, read and write in standard units of length.

Copy and complete the tables to convert between different units of measure. The first one in each table has been done for you. Remember to use the conversion instructions in slide 1.

Kilometres (km)	Metres (m)	Metres (m)	Centimetres (cm)	Centimetres (cm)	Millimetres (mm)
6.1	6,100	32.2	3,220	1.5	15
6.9		6.67		5.43	
6.32		1.47		1.68	
6.288		5.23		0.59	
	7,557	7.136			37
	1,725		178		47
0.185			3,024		73.1
0.698			98		5.9
	981		10		0.4
	101	1.8		0.86	
0.098		2.70		7.16	