

## Orange Maths

### Converting lengths

Look back at the first maths video link this week to help you.

1.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td>0.327</td><td></td><td></td></tr><tr><td>0.794</td><td></td><td></td></tr><tr><td>0.329</td><td></td><td></td></tr><tr><td>0.818</td><td></td><td></td></tr><tr><td>0.651</td><td></td><td></td></tr><tr><td>0.215</td><td></td><td></td></tr><tr><td>0.802</td><td></td><td></td></tr><tr><td>0.57</td><td></td><td></td></tr><tr><td>0.845</td><td></td><td></td></tr><tr><td>0.453</td><td></td><td></td></tr></table>	Metres	Centimetres	Millimetres	0.327			0.794			0.329			0.818			0.651			0.215			0.802			0.57			0.845			0.453			2.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td>6.674</td><td></td><td></td></tr><tr><td>5.016</td><td></td><td></td></tr><tr><td>1.014</td><td></td><td></td></tr><tr><td>3.125</td><td></td><td></td></tr><tr><td>5.47</td><td></td><td></td></tr><tr><td>8.215</td><td></td><td></td></tr><tr><td>5.23</td><td></td><td></td></tr><tr><td>1.551</td><td></td><td></td></tr><tr><td>4.228</td><td></td><td></td></tr><tr><td>9.774</td><td></td><td></td></tr></table>	Metres	Centimetres	Millimetres	6.674			5.016			1.014			3.125			5.47			8.215			5.23			1.551			4.228			9.774			3.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td>10.4</td><td></td></tr><tr><td></td><td>91</td><td></td></tr><tr><td></td><td>15.4</td><td></td></tr><tr><td></td><td>30.7</td><td></td></tr><tr><td></td><td>0.5</td><td></td></tr><tr><td></td><td>86.7</td><td></td></tr><tr><td></td><td>86.2</td><td></td></tr><tr><td></td><td>13</td><td></td></tr><tr><td></td><td>39.4</td><td></td></tr><tr><td></td><td>50.4</td><td></td></tr></table>	Metres	Centimetres	Millimetres		10.4			91			15.4			30.7			0.5			86.7			86.2			13			39.4			50.4		4.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td>724.4</td><td></td></tr><tr><td></td><td>575.7</td><td></td></tr><tr><td></td><td>598.3</td><td></td></tr><tr><td></td><td>907.7</td><td></td></tr><tr><td></td><td>264.6</td><td></td></tr><tr><td></td><td>978.4</td><td></td></tr><tr><td></td><td>369</td><td></td></tr><tr><td></td><td>292.3</td><td></td></tr><tr><td></td><td>263.7</td><td></td></tr><tr><td></td><td>472.9</td><td></td></tr></table>	Metres	Centimetres	Millimetres		724.4			575.7			598.3			907.7			264.6			978.4			369			292.3			263.7			472.9	
Metres	Centimetres	Millimetres																																																																																																																																									
0.327																																																																																																																																											
0.794																																																																																																																																											
0.329																																																																																																																																											
0.818																																																																																																																																											
0.651																																																																																																																																											
0.215																																																																																																																																											
0.802																																																																																																																																											
0.57																																																																																																																																											
0.845																																																																																																																																											
0.453																																																																																																																																											
Metres	Centimetres	Millimetres																																																																																																																																									
6.674																																																																																																																																											
5.016																																																																																																																																											
1.014																																																																																																																																											
3.125																																																																																																																																											
5.47																																																																																																																																											
8.215																																																																																																																																											
5.23																																																																																																																																											
1.551																																																																																																																																											
4.228																																																																																																																																											
9.774																																																																																																																																											
Metres	Centimetres	Millimetres																																																																																																																																									
	10.4																																																																																																																																										
	91																																																																																																																																										
	15.4																																																																																																																																										
	30.7																																																																																																																																										
	0.5																																																																																																																																										
	86.7																																																																																																																																										
	86.2																																																																																																																																										
	13																																																																																																																																										
	39.4																																																																																																																																										
	50.4																																																																																																																																										
Metres	Centimetres	Millimetres																																																																																																																																									
	724.4																																																																																																																																										
	575.7																																																																																																																																										
	598.3																																																																																																																																										
	907.7																																																																																																																																										
	264.6																																																																																																																																										
	978.4																																																																																																																																										
	369																																																																																																																																										
	292.3																																																																																																																																										
	263.7																																																																																																																																										
	472.9																																																																																																																																										
5.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td></td><td>871</td></tr><tr><td></td><td></td><td>259</td></tr><tr><td></td><td></td><td>522</td></tr><tr><td></td><td></td><td>916</td></tr><tr><td></td><td></td><td>840</td></tr><tr><td></td><td></td><td>983</td></tr><tr><td></td><td></td><td>365</td></tr><tr><td></td><td></td><td>587</td></tr><tr><td></td><td></td><td>339</td></tr><tr><td></td><td></td><td>112</td></tr></table>	Metres	Centimetres	Millimetres			871			259			522			916			840			983			365			587			339			112	6.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td></td><td>9043</td></tr><tr><td></td><td></td><td>1659</td></tr><tr><td></td><td></td><td>1386</td></tr><tr><td></td><td></td><td>4207</td></tr><tr><td></td><td></td><td>1349</td></tr><tr><td></td><td></td><td>4900</td></tr><tr><td></td><td></td><td>2456</td></tr><tr><td></td><td></td><td>3173</td></tr><tr><td></td><td></td><td>4942</td></tr><tr><td></td><td></td><td>7136</td></tr></table>	Metres	Centimetres	Millimetres			9043			1659			1386			4207			1349			4900			2456			3173			4942			7136	7.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td></td><td>546</td></tr><tr><td></td><td>84.4</td><td></td></tr><tr><td>0.842</td><td></td><td></td></tr><tr><td></td><td>60.7</td><td></td></tr><tr><td></td><td></td><td>820</td></tr><tr><td></td><td>89.4</td><td></td></tr><tr><td>0.011</td><td></td><td></td></tr><tr><td></td><td></td><td>271</td></tr><tr><td></td><td>83.9</td><td></td></tr><tr><td>0.107</td><td></td><td></td></tr></table>	Metres	Centimetres	Millimetres			546		84.4		0.842				60.7				820		89.4		0.011					271		83.9		0.107			8.	<table><tr><th>Metres</th><th>Centimetres</th><th>Millimetres</th></tr><tr><td></td><td>767.7</td><td></td></tr><tr><td>9.489</td><td></td><td></td></tr><tr><td></td><td>187.5</td><td></td></tr><tr><td></td><td></td><td>3966</td></tr><tr><td></td><td></td><td>5257</td></tr><tr><td>2.534</td><td></td><td></td></tr><tr><td></td><td></td><td>5295</td></tr><tr><td>7.231</td><td></td><td></td></tr><tr><td></td><td>359.4</td><td></td></tr><tr><td></td><td></td><td>5304</td></tr></table>	Metres	Centimetres	Millimetres		767.7		9.489				187.5				3966			5257	2.534					5295	7.231				359.4				5304
Metres	Centimetres	Millimetres																																																																																																																																									
		871																																																																																																																																									
		259																																																																																																																																									
		522																																																																																																																																									
		916																																																																																																																																									
		840																																																																																																																																									
		983																																																																																																																																									
		365																																																																																																																																									
		587																																																																																																																																									
		339																																																																																																																																									
		112																																																																																																																																									
Metres	Centimetres	Millimetres																																																																																																																																									
		9043																																																																																																																																									
		1659																																																																																																																																									
		1386																																																																																																																																									
		4207																																																																																																																																									
		1349																																																																																																																																									
		4900																																																																																																																																									
		2456																																																																																																																																									
		3173																																																																																																																																									
		4942																																																																																																																																									
		7136																																																																																																																																									
Metres	Centimetres	Millimetres																																																																																																																																									
		546																																																																																																																																									
	84.4																																																																																																																																										
0.842																																																																																																																																											
	60.7																																																																																																																																										
		820																																																																																																																																									
	89.4																																																																																																																																										
0.011																																																																																																																																											
		271																																																																																																																																									
	83.9																																																																																																																																										
0.107																																																																																																																																											
Metres	Centimetres	Millimetres																																																																																																																																									
	767.7																																																																																																																																										
9.489																																																																																																																																											
	187.5																																																																																																																																										
		3966																																																																																																																																									
		5257																																																																																																																																									
2.534																																																																																																																																											
		5295																																																																																																																																									
7.231																																																																																																																																											
	359.4																																																																																																																																										
		5304																																																																																																																																									

## ANSWERS

1.	Metres	Centimetres	Millimetres
	0.327	<b>32.7</b>	<b>327</b>
	0.794	<b>79.4</b>	<b>794</b>
	0.329	<b>32.9</b>	<b>329</b>
	0.818	<b>81.8</b>	<b>818</b>
	0.651	<b>65.1</b>	<b>651</b>
	0.215	<b>21.5</b>	<b>215</b>
	0.802	<b>80.2</b>	<b>802</b>
	0.57	<b>57</b>	<b>570</b>
	0.845	<b>84.5</b>	<b>845</b>
0.453	<b>45.3</b>	<b>453</b>	

2.	Metres	Centimetres	Millimetres
	6.674	<b>667.4</b>	<b>6674</b>
	5.016	<b>501.6</b>	<b>5016</b>
	1.014	<b>101.4</b>	<b>1014</b>
	3.125	<b>312.5</b>	<b>3125</b>
	5.47	<b>547</b>	<b>5470</b>
	8.215	<b>821.5</b>	<b>8215</b>
	5.23	<b>523</b>	<b>5230</b>
	1.551	<b>155.1</b>	<b>1551</b>
	4.228	<b>422.8</b>	<b>4228</b>
9.774	<b>977.4</b>	<b>9774</b>	

3.	Metres	Centimetres	Millimetres
	<b>0.104</b>	10.4	<b>104</b>
	<b>0.91</b>	91	<b>910</b>
	<b>0.154</b>	15.4	<b>154</b>
	<b>0.307</b>	30.7	<b>307</b>
	<b>0.005</b>	0.5	<b>5</b>
	<b>0.867</b>	86.7	<b>867</b>
	<b>0.862</b>	86.2	<b>862</b>
	<b>0.13</b>	13	<b>130</b>
	<b>0.394</b>	39.4	<b>394</b>
<b>0.504</b>	50.4	<b>504</b>	

4.	Metres	Centimetres	Millimetres
	<b>7.244</b>	724.4	<b>7244</b>
	<b>5.757</b>	575.7	<b>5757</b>
	<b>5.983</b>	598.3	<b>5983</b>
	<b>9.077</b>	907.7	<b>9077</b>
	<b>2.646</b>	264.6	<b>2646</b>
	<b>9.784</b>	978.4	<b>9784</b>
	<b>3.69</b>	369	<b>3690</b>
	<b>2.923</b>	292.3	<b>2923</b>
	<b>2.637</b>	263.7	<b>2637</b>
<b>4.729</b>	472.9	<b>4729</b>	

5.	Metres	Centimetres	Millimetres
	<b>0.871</b>	<b>87.1</b>	871
	<b>0.259</b>	<b>25.9</b>	259
	<b>0.522</b>	<b>52.2</b>	522
	<b>0.916</b>	<b>91.6</b>	916
	<b>0.84</b>	<b>84</b>	840
	<b>0.983</b>	<b>98.3</b>	983
	<b>0.365</b>	<b>36.5</b>	365
	<b>0.587</b>	<b>58.7</b>	587
	<b>0.339</b>	<b>33.9</b>	339
<b>0.112</b>	<b>11.2</b>	112	

6.	Metres	Centimetres	Millimetres
	<b>9.043</b>	<b>904.3</b>	9043
	<b>1.659</b>	<b>165.9</b>	1659
	<b>1.386</b>	<b>138.6</b>	1386
	<b>4.207</b>	<b>420.7</b>	4207
	<b>1.349</b>	<b>134.9</b>	1349
	<b>4.9</b>	<b>490</b>	4900
	<b>2.456</b>	<b>245.6</b>	2456
	<b>3.173</b>	<b>317.3</b>	3173
	<b>4.942</b>	<b>494.2</b>	4942
<b>7.136</b>	<b>713.6</b>	7136	

7.	Metres	Centimetres	Millimetres
	<b>0.546</b>	<b>54.6</b>	546
	<b>0.844</b>	84.4	<b>844</b>
	0.842	<b>84.2</b>	<b>842</b>
	<b>0.607</b>	60.7	<b>607</b>
	<b>0.82</b>	<b>82</b>	820
	<b>0.894</b>	89.4	<b>894</b>
	0.011	<b>1.1</b>	<b>11</b>
	<b>0.271</b>	<b>27.1</b>	271
	<b>0.839</b>	83.9	<b>839</b>
0.107	<b>10.7</b>	<b>107</b>	

8.	Metres	Centimetres	Millimetres
	<b>7.677</b>	767.7	<b>7677</b>
	9.489	<b>948.9</b>	<b>9489</b>
	<b>1.875</b>	<b>187.5</b>	<b>1875</b>
	<b>3.966</b>	<b>396.6</b>	3966
	<b>5.257</b>	<b>525.7</b>	5257
	2.534	<b>253.4</b>	<b>2534</b>
	<b>5.295</b>	<b>529.5</b>	5295
	7.231	<b>723.1</b>	<b>7231</b>
	<b>3.594</b>	359.4	<b>3594</b>
<b>5.304</b>	<b>530.4</b>	5304	