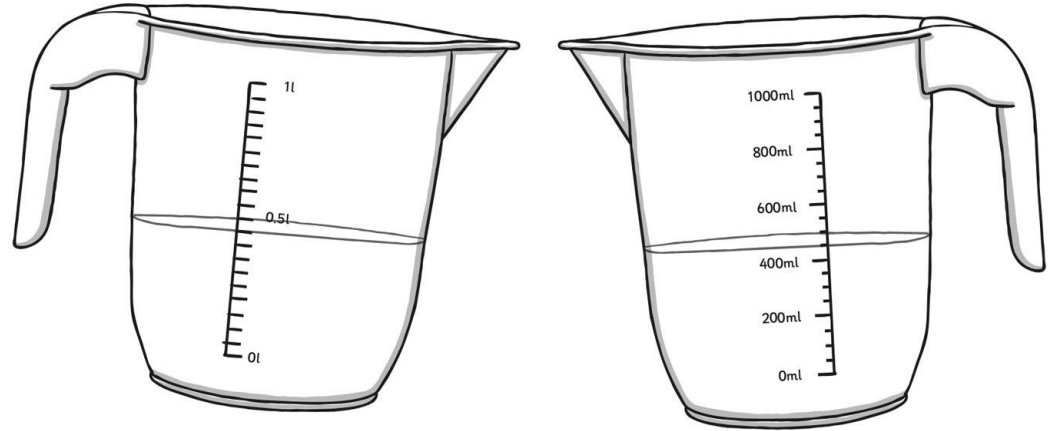


# Converting Between Litres and Millilitres

LO: I can convert between different units of metric measure

One chef only has jugs labelled in litres; another only has jugs labelled in millilitres.

Complete the tables below help the chefs by converting litres into millilitres, and millilitres into litres.



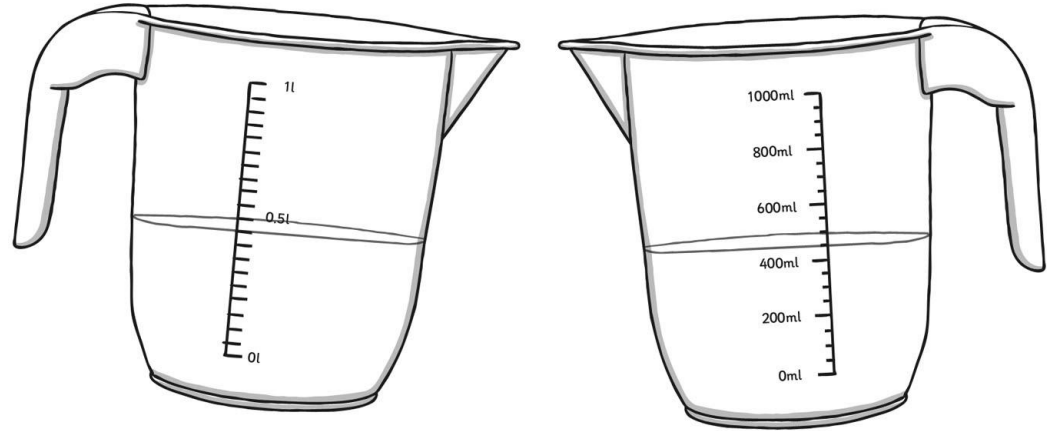
1.	Litres	Millilitres	2.	Litres	Millilitres	3.	Litres	Millilitres	4.	Litres	Millilitres	5.	Litres	Millilitres	6.	Litres	Millilitres
	0.252			1.929				175			7055			216			1054
	0.633			1.308				57			4059			128		5.447	
	0.191			7.717				292			3096	0.23				9.277	
	0.721			2.59				462			8684	0.158		764			5915
	0.725			2.031				366			8219						7347
	0.71			8.53				334			7139	0.163				7.729	
	0.583			4.103				517			2607	0.765					9685
	0.595			6.924				689			2010			999		6.604	
	0.625			4.531				212			3400			454		9.449	
	0.244			5.007				185			6311	0.841					4554

# Converting Between Litres and Millilitres **Answers**

LO: I can convert between different units of metric measure

One chef only has jugs labelled in litres; another only has jugs labelled in millilitres.

Complete the tables below help the chefs by converting litres into millilitres, and millilitres into litres.



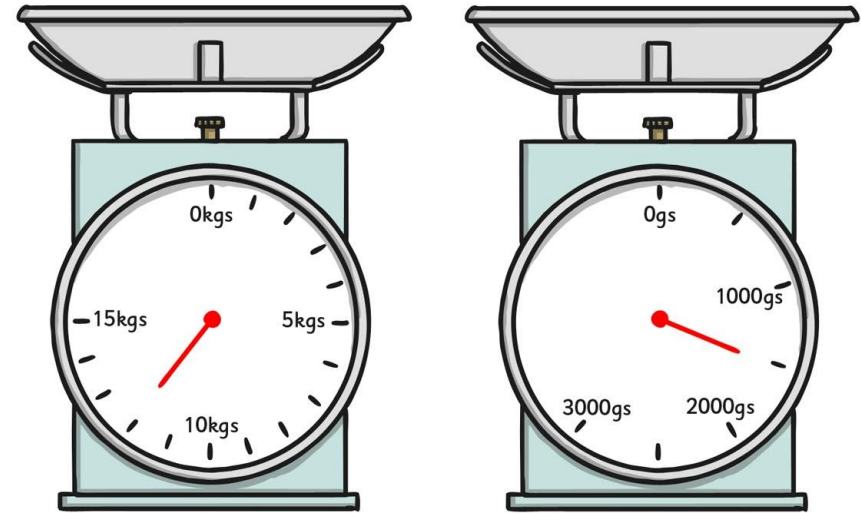
1.	Litres	Millilitres	2.	Litres	Millilitres	3.	Litres	Millilitres	4.	Litres	Millilitres	5.	Litres	Millilitres	6.	Litres	Millilitres
	0.252	252		1.929	1929		0.175	175		7.055	7055		0.216	216		1.054	1054
	0.633	633		1.308	1308		0.057	57		4.059	4059		0.128	128		5.447	5447
	0.191	191		7.717	7717		0.292	292		3.096	3096		0.23	230		9.277	9277
	0.721	721		2.59	2590		0.462	462		8.684	8684		0.158	158		5.915	5915
	0.725	725		2.031	2031		0.366	366		8.219	8219		0.764	764		7.347	7347
	0.71	710		8.53	8530		0.334	334		7.139	7139		0.163	163		7.729	7729
	0.583	583		4.103	4103		0.517	517		2.607	2607		0.765	765		9.685	9685
	0.595	595		6.924	6924		0.689	689		2.01	2010		0.999	999		6.604	6604
	0.625	625		4.531	4531		0.212	212		3.4	3400		0.454	454		9.449	9449
	0.244	244		5.007	5007		0.185	185		6.311	6311		0.841	841		4.554	4554

# Converting Between Kilograms and Grams

LO: I can convert between different units of metric measure

One grocer only has a scales labelled in kilograms and another only has scales labelled in grams.

Complete the tables below help the grocers by converting grams into kilograms and kilograms into grams.



1.

Kilograms	Grams
0.252	
0.633	
0.191	
0.721	
0.725	
0.71	
0.583	
0.595	
0.625	
0.244	

2.

Kilograms	Grams
6.371	
5.079	
3.213	
7.418	
4.402	
5.781	
3.897	
2.446	
5.861	
6.963	

3.

Kilograms	Grams
	266
	69
	231
	985
	867
	333
	967
	620
	459
	371

4.

Kilograms	Grams
	9594
	7865
	7426
	7702
	6916
	1742
	7511
	9753
	3061
	2098

5.

Kilograms	Grams
	819
	236
0.292	
0.448	
	148
0.876	
0.529	
	403
	356
0.2	

6.

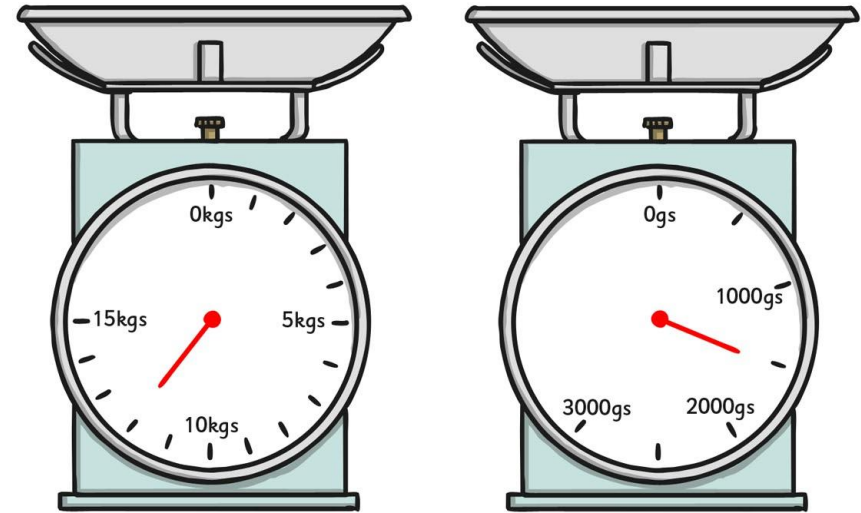
Kilograms	Grams
	3593
7.793	
7.791	
	2718
	3079
1.193	
	3191
2.257	
4.568	
	1722

# Converting Between Kilograms and Grams **Answers**

LO: I can convert between different units of metric measure

One grocer only has a scales labelled in kilograms and another only has scales labelled in grams.

Complete the tables below help the grocers by converting grams into kilograms and kilograms into grams.



1.	Kilograms	Grams	2.	Kilograms	Grams	3.	Kilograms	Grams	4.	Kilograms	Grams	5.	Kilograms	Grams	6.	Kilograms	Grams
	0.252	252		6.371	6371		0.266	266		9.594	9594		0.819	819		3.593	3593
	0.633	633		5.079	5079		0.069	69		7.865	7865		0.236	236		7.793	7793
	0.191	191		3.213	3213		0.231	231		7.426	7426		0.292	292		7.791	7791
	0.721	721		7.418	7418		0.985	985		7.702	7702		0.448	448		2.718	2718
	0.725	725		4.402	4402		0.867	867		6.916	6916		0.148	148		3.079	3079
	0.71	71		5.781	5781		0.333	333		1.742	1742		0.876	876		1.193	1193
	0.583	583		3.897	3897		0.967	967		7.511	7511		0.529	529		3.191	3191
	0.595	595		2.446	2446		0.62	620		9.753	9753		0.403	403		2.257	2257
	0.625	625		5.861	5861		0.459	459		3.061	3061		0.356	356		4.568	4568
	0.244	244		6.963	6963		0.371	371		2.098	2098		0.2	200		1.722	1722

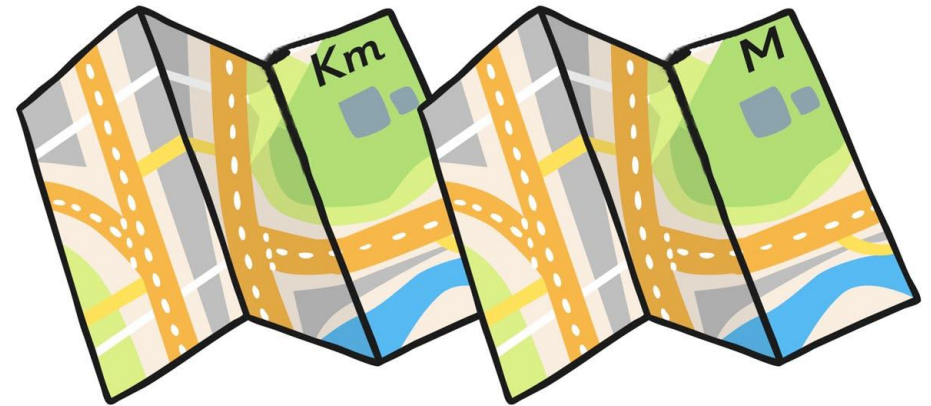


# Converting Between Kilometres and Metres

LO: I can convert between different units of metric measure

One cartographer only has a map with a scale in metres and another only has a map with a scale in kilometres

Complete the tables below help the cartographers by converting metres into kilometres and kilometres to metres.



1.

Kilometres	Metres
0.386	
0.178	
0.969	
0.77	
0.529	
0.019	
0.252	
0.481	
0.765	
0.95	

2.

Kilometres	Metres
1.397	
6.919	
6.618	
5.32	
8.288	
8.828	
8.372	
1.311	
2.127	
4.363	

3.

Kilometres	Metres
	921
	14
	222
	441
	711
	1000
	578
	353
	474
	629

4.

Kilometres	Metres
	1865
	5977
	7736
	3814
	8530
	7557
	1725
	3331
	5593
	2778

5.

Kilometres	Metres
	180
	485
0.95	
0.101	
	212
0.312	
0.098	
	251
	981
0.616	

6.

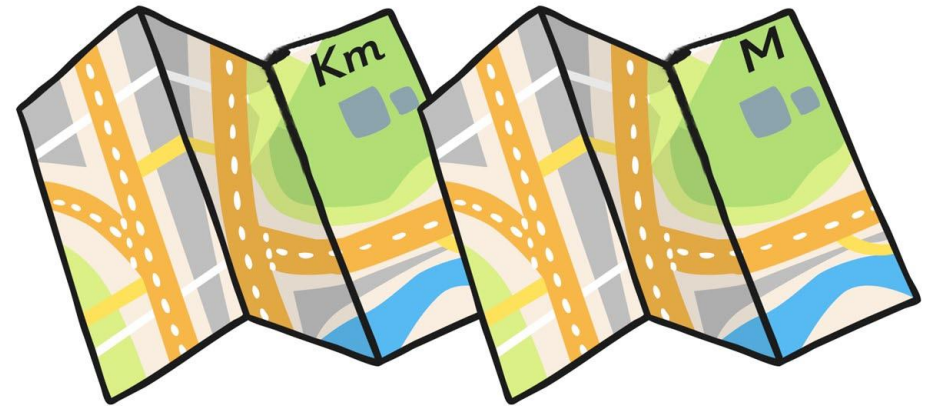
Kilometres	Metres
	8653
2.796	
5.671	
	4708
	6784
5.998	
	6882
6.688	
9.854	
	1766

# Converting Between Kilometres and Metres **Answers**

LO: I can convert between different units of metric measure

One cartographer only has a map with a scale in metres and another only has a map with a scale in kilometres

Complete the tables below help the cartographers by converting metres into kilometres and kilometres to metres.



1.

Kilometres	Metres
0.386	386
0.178	178
0.969	969
0.77	770
0.529	529
0.019	19
0.252	252
0.481	481
0.765	765
0.95	950

2.

Kilometres	Metres
1.397	1397
6.919	6919
6.618	6618
5.32	5320
8.288	8288
8.828	8828
8.372	8372
1.311	1311
2.127	2127
4.363	4363

3.

Kilometres	Metres
0.921	921
0.014	14
0.222	222
0.441	441
0.711	711
1	1000
0.578	578
0.353	353
0.474	474
0.629	629

4.

Kilometres	Metres
1.865	1865
5.977	5977
7.736	7736
3.814	3814
8.53	8530
7.557	7557
1.725	1725
3.331	3331
5.593	5593
2.778	2778

5.

Kilometres	Metres
0.18	180
0.485	485
0.95	950
0.101	101
0.212	212
0.312	312
0.098	98
0.251	251
0.981	981
0.616	616

6.

Kilometres	Metres
8.653	8653
2.796	2796
5.671	5671
4.708	4708
6.784	6784
5.998	5998
6.882	6882
6.688	6688
9.854	9854
1.766	1766

# Converting Between Metres, Centimetres and Millimetres

LO: I can convert between different units of metric measure

There are three workmen; one has a tape measure that only shows metres, the second man's only shows centimetres and the final workman's shows just millimetres. Complete the tables below to help the workmen by converting the measures.

1.

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

2.

Metres	Centimetres	Millimetres
6.674		
5.016		
1.014		
3.125		
5.47		
8.215		
5.23		
1.551		
4.228		
9.774		

3.

Metres	Centimetres	Millimetres
	10.4	
	91	
	15.4	
	30.7	
	0.5	
	86.7	
	86.2	
	13	
	39.4	
	50.4	

4.

Metres	Centimetres	Millimetres
	724.4	
	575.7	
	598.3	
	907.7	
	264.6	
	978.4	
	369	
	292.3	
	263.7	
	472.9	

5.

Metres	Centimetres	Millimetres
		871
		259
		522
		916
		840
		983
		365
		587
		339
		112

6.

Metres	Centimetres	Millimetres
		9043
		1659
		1386
		4207
		1349
		4900
		2456
		3173
		4942
		7136

7.

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

8.

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

# Converting Between Metres, Centimetres and Millimetres

LO: I can convert between different units of metric measure

There are three workmen; one has a tape measure that only shows metres, the second man's only shows centimetres and the final workman's shows just millimetres. Complete the tables below to help the workmen by converting the measures.

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



# Converting Between Millimetres and Centimetres

LO: I can convert between different units of metric measure

One carpenter only has measurements in millimetres and another only has measurements in centimetres.

Complete the tables below to help the carpenters by converting millimetres into centimetres and centimetres into millimetres.

1.

Millimetres	Centimetres
3.8	
9.8	
0.7	
2	
3.6	
5.3	
4.7	
4.3	
3.7	
7.7	

2.

Millimetres	Centimetres
15	
8.5	
37.3	
47.2	
73.1	
54.3	
16.8	
18.4	
5.9	
42.9	

3.

Millimetres	Centimetres
	0.91
	0.07
	0.95
	0.02
	0.33
	0.88
	0.67
	0.06
	0.86
	0.65

4.

Millimetres	Centimetres
	6.22
	3.38
	3.75
	2.76
	1.9
	7.03
	3.8
	4.66
	8.63
	0.49

5.

Millimetres	Centimetres
	0.91
5.3	
	0.77
7.2	
1.6	
	0.27
0.2	
	0.04
	0.68
2.5	

6.

Millimetres	Centimetres
	9.43
71.6	
	3.16
	8.32
44.9	
88	
	4.46
	7.2
82.8	
85.4	

# Converting Between Millimetres and Centimetres Answers

LO: I can convert between different units of metric measure

One carpenter only has measurements in millimetres and another only has measurements in centimetres.

Complete the tables below to help the carpenters by converting millimetres into centimetres and centimetres into millimetres.

1.

Millimetres	Centimetres
3.8	<b>0.38</b>
9.8	<b>0.98</b>
0.7	<b>0.07</b>
2	<b>0.2</b>
3.6	<b>0.36</b>
5.3	<b>0.53</b>
4.7	<b>0.47</b>
4.3	<b>0.43</b>
3.7	<b>0.37</b>
7.7	<b>0.77</b>

2.

Millimetres	Centimetres
15	<b>1.5</b>
8.5	<b>0.85</b>
37.3	<b>3.73</b>
47.2	<b>4.72</b>
73.1	<b>7.31</b>
54.3	<b>5.43</b>
16.8	<b>1.68</b>
18.4	<b>1.84</b>
5.9	<b>0.59</b>
42.9	<b>4.29</b>

3.

Millimetres	Centimetres
9.1	<b>0.91</b>
0.7	<b>0.07</b>
9.5	<b>0.95</b>
0.2	<b>0.02</b>
3.3	<b>0.33</b>
8.8	<b>0.88</b>
6.7	<b>0.67</b>
0.6	<b>0.06</b>
8.6	<b>0.86</b>
6.5	<b>0.65</b>

4.

Millimetres	Centimetres
<b>62.2</b>	6.22
<b>33.8</b>	3.38
<b>37.5</b>	3.75
<b>27.6</b>	2.76
<b>19</b>	1.9
<b>70.3</b>	7.03
<b>38</b>	3.8
<b>46.6</b>	4.66
<b>86.3</b>	8.63
<b>4.9</b>	0.49

5.

Millimetres	Centimetres
<b>9.1</b>	0.91
<b>5.3</b>	<b>0.53</b>
<b>7.7</b>	0.77
<b>7.2</b>	<b>0.72</b>
<b>1.6</b>	<b>0.16</b>
<b>2.7</b>	0.27
<b>0.2</b>	<b>0.02</b>
<b>0.4</b>	0.04
<b>6.8</b>	0.68
<b>2.5</b>	<b>0.25</b>

6.

Millimetres	Centimetres
<b>94.3</b>	9.43
<b>71.6</b>	<b>7.16</b>
<b>31.6</b>	3.16
<b>83.2</b>	8.32
<b>44.9</b>	<b>4.49</b>
<b>88</b>	<b>8.8</b>
<b>44.6</b>	4.46
<b>72</b>	7.2
<b>82.8</b>	<b>8.28</b>
<b>85.4</b>	<b>8.54</b>

# Converting Between Centimetres and Metres

LO: I can convert between different units of metric measure

One builder only has measurements in centimetres and another only has measurements in metres.

Complete the tables below to help the builders by converting centimetres into metres and metres into centimetres.

1.

Centimetres	Metres
91	
66	
65	
23	
19	
59	
88	
0	
11	
95	

2.

Centimetres	Metres
17.8	
6.3	
46	
54.8	
74.4	
39.8	
35.2	
13.8	
90.6	
46.2	

3.

Centimetres	Metres
	0.38
	0.88
	0.17
	0.95
	0.04
	0.09
	0.63
	0.53
	0.67
	0.82

4.

Centimetres	Metres
	0.475
	0.236
	0.606
	0.414
	0.264
	0.965
	0.353
	0.267
	0.424
	0.398

5.

Centimetres	Metres
11	
	0.63
	0.5
38	
37	
	0.79
46	
	0.03
78	
	0.68

6.

Centimetres	Metres
	0.41
18.4	
	0.348
38.2	
	0.571
	0.708
39.6	
10	
	0.018
77.4	

# Converting Between Centimetres and Metres Answers

LO: I can convert between different units of metric measure

One builder only has measurements in centimetres and another only has measurements in metres.

Complete the tables below to help the builders by converting centimetres into metres and metres into centimetres.

1.

Centimetres	Metres
91	<b>0.91</b>
66	<b>0.66</b>
65	<b>0.65</b>
23	<b>0.23</b>
19	<b>0.19</b>
59	<b>0.59</b>
88	<b>0.88</b>
0	<b>0</b>
11	<b>0.11</b>
95	<b>0.95</b>

2.

Centimetres	Metres
17.8	<b>0.178</b>
6.3	<b>0.063</b>
46	<b>0.46</b>
54.8	<b>0.548</b>
74.4	<b>0.744</b>
39.8	<b>0.398</b>
35.2	<b>0.352</b>
13.8	<b>0.138</b>
90.6	<b>0.906</b>
46.2	<b>0.462</b>

3.

Centimetres	Metres
38	0.38
88	0.88
17	0.17
95	0.95
4	0.04
9	0.09
63	0.63
53	0.53
67	0.67
82	0.82

4.

Centimetres	Metres
47.5	0.475
23.6	0.236
60.6	0.606
41.4	0.414
26.4	0.264
96.5	0.965
35.3	0.353
26.7	0.267
42.4	0.424
39.8	0.398

5.

Centimetres	Metres
11	0.11
63	0.63
50	0.5
38	0.38
37	0.37
79	0.79
46	0.46
3	0.03
78	0.78
68	0.68

6.

Centimetres	Metres
41	0.41
18.4	0.184
34.8	0.348
38.2	0.382
57.1	0.571
70.8	0.708
39.6	0.396
10	0.10
1.8	0.018
77.4	0.774