

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 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 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