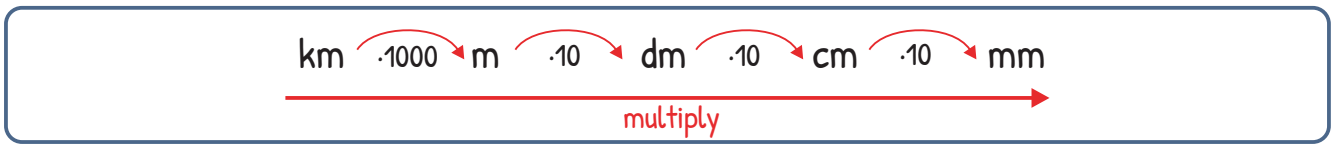
Math Online School

Converting Lengths to the Smaller Units



Enter the numbers in the place-value chart, then convert them to smaller units.

	km			m			dm	cm	mm	
	H	T	O	H	T	O	O	O	O	
12.78 m					1	2	7	8		dm
4.05 dm										mm
2 km										m
0.903 m										cm
61 dm										mm
59 m										mm
4.7 cm										mm
30.1 km										dm
7.054 m										cm
2.85 dm										mm
5.1 m										cm



8.2 km = _____ m

0.055 km = _____ dm

0.453 m = _____ cm

160 dm = _____ mm

5.8 dm = _____ cm

1.002 km = _____ m

5 m = _____ mm

0.01 km = _____ m

23.2 m = _____ cm

10.7 m = _____ mm

12.48 dm = _____ mm

150 cm = _____ mm

47.03 dm = _____ cm

0.005 m = _____ mm

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	km			m			dm	cm	mm		
	H	T	O	H	T	O	O	O	O		
12.78 m					1	2	7	8		127.8	dm
4.05 dm							4	0	5	405	mm
2 km			2	0	0	0				2,000	m
0.903 m							9	0	3	90.3	cm
61 dm						6	1	0	0	6,100	mm
59 m					5	9	0	0	0	59,000	mm
4.7 cm								4	7	47	mm
30.1 km		3	0	1	0	0	0			301,000	dm
7.054 m						7	0	5	4	705.4	cm
2.85 dm							2	8	5	285	mm
5.1 m						5	1	0		510	cm

km ·1000 m ·10 dm ·10 cm ·10 mm

multiply

8.2 km = 8,200 m

0.055 km = 550 dm

0.453 m = 45.3 cm

160 dm = 16,000 mm

5.8 dm = 58 cm

1.002 km = 1,002 m

5 m = 5,000 mm

0.01 km = 10 m

23.2 m = 2,320 cm

10.7 m = 10,700 mm

12.48 dm = 1,248 mm

150 cm = 1,500 mm

47.03 dm = 470.3 cm

0.005 m = 5 mm