

Master Maths 9 Worksheet 60

Length - Conversions

60

Name: _____

1. Which unit (mm, cm, m or km) would be the most appropriate to measure the following objects.

- (a) The length of a room
- (b) The circumference of a basketball
- (c) The diameter of a 10 cent piece
- (d) The length of the Swan River

2. Complete the following conversion table. One line is completed as an example.

mm	cm	m	km
4500	450	4.5	0.0045
	6000		
79 000			
		0.95	
			0.31

3. Change the following lengths to the units shown in the brackets.

- (a) 3cm 8 mm (mm)
- (b) 8 m 52 cm (m)
- (c) 13 cm 4 mm (cm)
- (d) 2 m 6 cm (cm)
- (e) 5 m 68 mm (m)

4. Round the following lengths to the nearest metre.

- (a) 8.7 m (b) 39.6 m (c) 16.3 m

5. Round the following lengths to the nearest metre.

- (a) 5 m 29 cm (b) 7 m 83 cm (c) 6 m 93 mm
- (d) 3 m 9 cm (e) 8 m 611 mm (f) 2 m 459 mm

6. Arrange these lengths in order from the shortest to the longest.

- A** 9543 mm **B** 953 cm **C** 9.551 m
D 9 m 51 cm **E** 959 mm **F** 9 m 541 mm
G 0.0095 km **H** 94 cm 5 mm

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7. Danielle measured one of her steps to be 80 cm. How many steps would she take in walking 1 km?

8. Kevin grew a zucchini that was 1.4 m long? It took 16 weeks to reach this length. How many millimetres (on average) did it grow each day?

9. A snail was sliding at a rate of 2 mm/second. How many *minutes* would it take the snail to travel 3 metres?