

Master Maths 8 Worksheet 49

Scales on a Map

49

Name: _____

1. Complete the following conversions.

- (a) 200 cm = _____ m
- (b) 35 000 mm = _____ m
- (c) 9500 cm = _____ m
- (d) 7000 mm = _____ m
- (e) 80 000 cm = _____ m

2. The scale on a map is 1:1000. Find the actual distance (in *m*) of the following lengths measured off the map.

- (a) 3 cm (b) 12 mm (c) 8.5 cm

m	m	m
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- (d) 16 cm (e) 86 mm (f) 21.5 cm

m	m	m
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3. The scale on a map is 1:5000. Find the actual distance (in *m*) of the following lengths measured off the map.

- (a) 3 cm (b) 12 mm (c) 8.5 cm

m	m	m
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- (d) 16 cm (e) 86 mm (f) 21.5 cm

m	m	m
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- (g) 28.5 cm (h) 135 mm (i) 35 cm

m	m	m
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4. Complete the following conversions.

- (a) 700 m = _____ cm
- (b) 2 km = _____ cm
- (c) 9500 m = _____ mm
- (d) 2 km = _____ mm

5. Convert the following comparisons to scales.

Example 1 cm = 3 km
 1 cm = 300 000 cm
 Scale = 1:30 000

- (a) 1 cm = 500 m (b) 1 cm = 2 km

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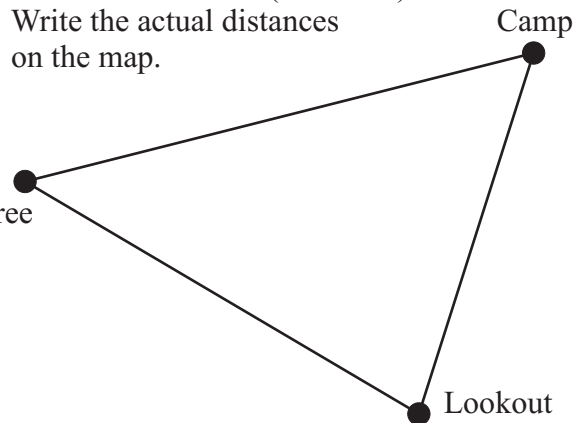
- (c) 1 mm = 200 m (d) 1 mm = 1 km

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- (e) 1 cm = 40 km (f) 1 mm = 750 m

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6. The map below has a scale of 1:20 000. Use a ruler to measure the length between the features on the map and use the scale to find the actual distances (in metres).



Write the actual distances on the map.