

Name: _____

Date _____

Topic : Scale factors- Worksheet 1

Fill in the missing dimensions. Round your answer to the nearest tenth.

- 1** The scale factor for a model is 5 cm
= _____ m

Model : 9.5 cm

actual: 30.5 m

- 3** The scale of a map is 2 ft = 10.4 mi

map: _____ ft

actual: 20.8 mi

- 5** The scale of a map is 5 m = 15 mi

map: 7.8 m

actual: _____ mi

- 7** The scale factor for a model is 5 cm
= _____ m

Model : 40.2 cm

actual: 60.2 m

- 9** The scale of a map is 4ft = 16 mi

map: _____ ft

actual: 80 mi

- 2** The scale of a map is 2m = 4 mi

map: 12m

actual: _____ mi

- 4** The scale factor for a model is 7 cm =
_____ m

Model : 40.4 cm

actual: 80.6 m

- 6** The scale of a map is 6 km = 4 mi

map: _____ km

actual: 40.1 mi

- 8** The scale of a map is 4 m = 18 mi

map: 6.8 m

actual: _____ mi

- 10** The scale factor for a model is 8 cm =
_____ m

Model : 80.8 cm

actual: 90.6 m



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Topic : Scale factors- Worksheet 2

Fill in the missing dimensions. Round your answer to the nearest tenth.

1 The scale factor for a model is 8 cm
= _____ m

Model : 11.23cm

actual: 40.2 m

3 The scale of a map is 5 ft = 20.5 mi

map: _____ ft

actual: 15.5 mi

5 The scale of a map is 7 m = 14 mi

map: 14 m

actual: _____ mi

7 The scale factor for a model is 10 cm
= _____ m

Model : 80.2 cm

actual: 40.2 m

9 The scale of a map is 5ft = 16.5 mi

map: _____ ft

actual: 45.6 mi

2 The scale of a map is 3m = 6 mi

map: 14m

actual: _____ mi

4 The scale factor for a model is 8 cm =
_____ m

Model : 30.5 cm

actual: 70.6 m

6 The scale of a map is 8 km = 6 mi

map: _____ km

actual: 50.2 mi

8 The scale of a map is 6 m = 15 mi

map: 8.8 m

actual: _____ mi

10 The scale factor for a model is 12 cm
= _____ m

Model : 65.8 cm

actual: 95.6 m



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Topic : Scale factors- Worksheet 3

Fill in the missing dimensions. Round your answer to the nearest tenth.

- 1** The scale factor for a model is 10 cm
= _____ m

Model : 10.25cm

actual: 45.5 m

- 3** The scale of a map is 24 ft = 8 mi

map: _____ ft

actual: 16.4 mi

- 5** The scale of a map is 9 m = 18 mi

map: 2.7 m

actual: _____ mi

- 7** The scale factor for a model is 20 cm
= _____ m

Model : 20.2 cm

actual: 60.2 m

- 9** The scale of a map is 4ft = 16.4 mi

map: _____ ft

actual: 44.6 mi

- 2** The scale of a map is 4m = 8 mi

map: 18m

actual: _____ mi

- 4** The scale factor for a model is 9 cm =
_____ m

Model : 30.3 cm

actual: 60.6 m

- 6** The scale of a map is 12 km = 6 mi

map: _____ km

actual: 60.2 mi

- 8** The scale of a map is 5 m = 15 mi

map: 3.3 m

actual: _____ mi

- 10** The scale factor for a model is 18 cm
= _____ m

Model : 64.6cm

actual: 94.6 m



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Topic : Scale factors- Worksheet 4

Fill in the missing dimensions. Round your answer to the nearest tenth.

- 1** The scale factor for a model is 20 cm
= _____ m

Model : 20.25cm

actual: 50.5 m

- 3** The scale of a map is 25 ft = 5 mi

map: _____ ft

actual: 15.5 mi

- 5** The scale of a map is 14 m = 28 mi

map: 4.8 m

actual: _____ mi

- 7** The scale factor for a model is 40 cm
= _____ m

Model : 20.2 cm

actual: 80.2 m

- 9** The scale of a map is 6ft = 14.6 mi

map: _____ ft

actual: 40.6 mi

- 2** The scale of a map is 5m = 15 mi

map: 25m

actual: _____ mi

- 4** The scale factor for a model is 12 cm
= _____ m

Model : 24.4 cm

actual: 48.6 m

- 6** The scale of a map is 18 km = 6 mi

map: _____ km

actual: 80.6 mi

- 8** The scale of a map is 6 m = 18 mi

map: 6.6 m

actual: _____ mi

- 10** The scale factor for a model is 20 cm
= _____ m

Model : 46.6cm

actual: 60.6 m



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Topic : Scale factors- Worksheet 5

Fill in the missing dimensions. Round your answer to the nearest tenth.

- 1** The scale factor for a model is 15 cm
= _____ m

Model : 25.25cm

actual: 55.5 m

- 3** The scale of a map is 30 ft = 5 mi

map: _____ ft

actual: 45.5 mi

- 5** The scale of a map is 16 m = 32 mi

map: 4.8 m

actual: _____ mi

- 7** The scale factor for a model is 10 cm
= _____ m

Model : 30.2 cm

actual: 70.2 m

- 9** The scale of a map is 7ft = 14.4 mi

map: _____ ft

actual: 24.6 mi

- 2** The scale of a map is 7m = 14 mi

map: 28m

actual: _____ mi

- 4** The scale factor for a model is 18 cm
= _____ m

Model : 22.4 cm

actual: 40.6 m

- 6** The scale of a map is 14 km = 4 mi

map: _____ km

actual: 82.6 mi

- 8** The scale of a map is 5 m = 15 mi

map: 5.5 m

actual: _____ mi

- 10** The scale factor for a model is 24 cm
= _____ m

Model : 42.6cm

actual: 66.6 m

