

10.3 Scale with Maps and Models

Answer each question and round your answer to the nearest whole number.

- 1) A map has a scale of 1 in : 6 mi. If Marion and Centerville are 30 mi apart, then they are how far apart on the map?
- 2) A map has a scale of 1 in : 20 mi. If Kumba and Brisbane are 160 mi apart, then they are how far apart on the map?
- 3) Franklin and San Jose are 44 km from each other. How far apart would the cities be on a map that has a scale of 1 cm : 11 km?
- 4) Centerville and Victoria are 6 in apart on a map that has a scale of 1 in : 8 mi. How far apart are the real cities?
- 5) A map has a scale of 1 in : 19 mi. If Victoria and Rockville are 5 in apart on the map, then how far apart are the real cities?
- 6) Georgetown and Greenwood are 22 km from each other. How far apart would the cities be on a map that has a scale of 1 cm : 11 km?
- 7) A particular house is 14 m tall. A model of it was built with a scale of 1 cm : 2 m. How tall is the model?
- 8) A particular satellite is 16 ft wide. A model of it was built with a scale of 1 in : 2 ft. How wide is the model?
- 9) Find the distance between Madison and Greenwood on a map with a scale of 1 cm : 17 km if they are actually 51 km apart.
- 10) A model plane has a scale of 1 in : 10 ft. If the model plane is 2 in tall, then how tall is the real plane?
- 11) A map has a scale of 1 cm : 6 km. If San Jose and Midway are 4 cm apart on the map, then how far apart are the real cities?
- 12) Find the distance between Oak Grove and Yorkshire if they are 3 in apart on a map with a scale of 1 in : 7 mi.
- 13) A model car has a scale of 1 in : 8 ft. If the model car is 2 in long, then how long is the real car?
- 14) A model statue has a scale of 1 in : 3 ft. If the model statue is 5 in tall, then how tall is the real statue?
- 15) Find the distance between Rivertown and San Jose on a map with a scale of 1 cm : 9 km if they are actually 54 km apart.
- 16) A map has a scale of 1 in : 17 mi. If Sun Valley and San Jose are 7 in apart on the map, then how far apart are the real cities?