

# Scale & Map Problems

Grades 7-8 • Using scale factors with maps and models

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. On a map with scale 1 inch = 1000 feet, two cities are 4 inches apart. What is the actual distance in feet?

Answer: \_\_\_\_\_

2. On a map with scale 1 inch = 1000 feet, what map distance represents 5000 feet?

Answer: \_\_\_\_\_

3. On a map with scale 1 inch = 200 feet, what map distance represents 800 feet?

Answer: \_\_\_\_\_

4. On a map with scale 1 inch = 200 feet, what map distance represents 400 feet?

Answer: \_\_\_\_\_

5. On a map with scale 1 inch = 200 feet, two cities are 10 inches apart. What is the actual distance in feet?

Answer: \_\_\_\_\_

6. On a map with scale 1 inch = 200 feet, what map distance represents 400 feet?

Answer: \_\_\_\_\_

7. On a map with scale 1 inch = 100 feet, what map distance represents 300 feet?

Answer: \_\_\_\_\_

8. On a map with scale 1 inch = 500 feet, what map distance represents 5000 feet?

Answer: \_\_\_\_\_

9. On a map with scale 1 inch = 1000 feet, two cities are 5 inches apart. What is the actual distance in feet?

Answer: \_\_\_\_\_

**10.** On a map with scale 1 inch = 500 feet, what map distance represents 1500 feet?

Answer: \_\_\_\_\_

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## Answer Key

1.	On a map with scale 1 inch = 1000 feet, two cities are 4 inches apart. What is the actual distance in feet?	<b>4000 feet</b>
2.	On a map with scale 1 inch = 1000 feet, what map distance represents 5000 feet?	<b>5 inches</b>
3.	On a map with scale 1 inch = 200 feet, what map distance represents 800 feet?	<b>4 inches</b>
4.	On a map with scale 1 inch = 200 feet, what map distance represents 400 feet?	<b>2 inches</b>
5.	On a map with scale 1 inch = 200 feet, two cities are 10 inches apart. What is the actual distance in feet?	<b>2000 feet</b>
6.	On a map with scale 1 inch = 200 feet, what map distance represents 400 feet?	<b>2 inches</b>
7.	On a map with scale 1 inch = 100 feet, what map distance represents 300 feet?	<b>3 inches</b>
8.	On a map with scale 1 inch = 500 feet, what map distance represents 5000 feet?	<b>10 inches</b>
9.	On a map with scale 1 inch = 1000 feet, two cities are 5 inches apart. What is the actual distance in feet?	<b>5000 feet</b>
10.	On a map with scale 1 inch = 500 feet, what map distance represents 1500 feet?	<b>3 inches</b>