

Name: _____

Date: _____

Extra Practice (6.2 - 6.3)

On a map, the scale is 5 centimeters = 3 kilometers. Find the missing distances. (lesson 6.3)

	Location	Map Distance	Actual Distance
1.	Town A to Town B	10 cm	
2.	Town A to Town C		10 km
3.	Town A to Town D		5.6 km
4.	Town A to Town E	2 cm	
5.	Town A to Town F	0.5 cm	
6.	Town A to Town G		3.2 km
7.	Town A to Town H	0.25 cm	
8.	Town A to Town I		2.4 km
9.	Town A to Town J		0.04 km
10.	Town A to Town K	1 cm	
11.	Town A to Town L	2.5 cm	
12.	Town A to Town M		0.48 km

13) Refers to numbers 1 - 12. What is the scale factor?

14) What is the scale factor if the scale is 15 inches = 1 yard?

15) Joanna knows the distance to her grandmother's house is 21 miles. On a map, the distance is 5.25 inches. What is the scale of the map?

16) A man in a photograph is 1.5 inches in height. If the man is 6 feet tall, what is the scale?

Determine whether each pair of ratios forms a proportion. (lesson 6.2)

17) $\frac{1}{5}, \frac{4}{20}$

18) $\frac{3}{4}, \frac{27}{36}$

19) $\frac{12}{4.8}, \frac{9}{3.2}$

20) $\frac{36}{72}, \frac{50}{100}$

Solve each proportion. (lesson 6.2)

21) $\frac{8}{4} = \frac{e}{8}$

22) $\frac{21}{28} = \frac{3}{y}$

23) $\frac{c}{12} = \frac{5}{6}$

24) $\frac{4}{w} = \frac{5}{20}$

25) $\frac{2.7}{3.0} = \frac{3.6}{c}$