

Scale Drawings – Worksheet #2



For problems #1 – 2, use the following scale...

5 cm : 2 miles

- 1) The distance on the map between Yappy City and Quiet City is 23 cm. What is the actual distance between the cities?
- 2) The famous “math” water fountain is just 5 miles away from the high school. How far is the fountain away from the school on the map?
- 3) A tower that is 3,500 meters tall is represented on a scale drawing and is 14 inches tall. What is the scale on the scale drawing?
- 4) A blueprint shows the master bedroom to be 5 inches long and 3 inches wide. The scale on the blueprint is 2 in : 11 ft. What are the actual length and width of the master bedroom? (HINT: Use two different proportions!)
- 5) A baseball player is 6 ft tall. His collectible figurine is just 4 inches tall. What is the scale of the collectible figurine?

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- 6) The scale on a map is 4 cm : 125 Km. The distance from the Scale Drawing Junior High School to the shore is 350 Km. What is the map distance from the JHS to the shore?
- 7) The scale on a blueprint is $\frac{1}{2}$ in : 6 ft. The height of the living room ceiling is shown as $1\frac{1}{2}$ in. on the blueprint. How high should the living room ceiling really be?

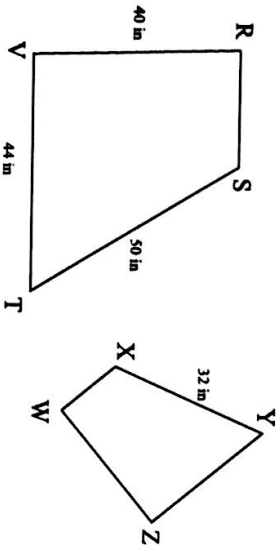
Other proportion review:

- 8) Eight boxes of baseballs cost \$27.60. How much will it cost Mickey to buy three boxes of baseballs?
- 9) If 5 cans of Mathjuice contain 120 grams of sugar, how many grams of sugar are in a case (24 cans) of Mathjuice?
- 10) A flagpole casts a shadow that is 12 ft long. A 6-ft tall man casts a shadow that is 8 ft long. The two triangles created are similar. How tall is the flagpole? (HINT: Draw a picture first!)

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- 11) A rectangular photo is 20 inches wide and 25 inches tall. An enlargement of that photo is 40 inches tall. How wide is the enlargement? (HINT: Draw a picture first!)

- 12) Given: $RSTV \sim WXYZ$; $WZ = \underline{\hspace{2cm}}$



- 13) The scale on a map is 1 in : 20 mi. If two cities are 5.5 inches apart on the map, what is the real distance between them?
- 15) An 8-inch wide photo has been reduced to a 5-inch wide by 7-inch tall photo. How tall was the original photo?

- 13) A 36 miles
 B 105 miles
 C 110 miles
 D 250 miles
- 15) A 10 inches
 B 4 inches
 C 7.8 inches
 D 11.2 inches

- 14) The cost of 40 candy bars is \$30. How much will 15 cost?
- 16) A 24-ft. hallway is just 8 in. on the blueprint. What is the scale?

- 14) A \$0.75
 B \$11.25
 C \$20.00
 D \$42.00
- 16) A 1 in : 3 ft
 B 1 in : 8 ft
 C 1 in : 12 ft
 D 1 in : 16 ft