

Scale Drawings – Worksheet #2



For problems #1 – 2, use the following scale... 5 cm : 2 miles

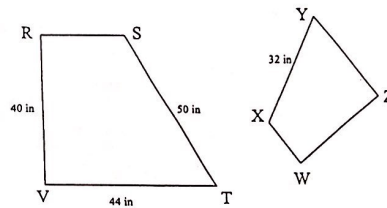
- 1) The distance on the map between Yappy City and Quiet City is 23 cm. What is the actual distance between the cities?
- 2) The famous "math" water fountain is just 5 miles away from the high school. How far is the fountain away from the school on the map?
- 3) A tower that is 3,500 meters tall is 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!)
- 6) A baseball player is 6 ft tall. His collectible figurine is just 4 inches tall. What is the scale of the collectible figurine?
- 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!)

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7) 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?

8) 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?

9) Given: $RSTV \sim WXYZ$; $WZ =$ _____



- 10) 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?
 - A 36 miles
 - B 105 miles
 - C 110 miles
 - D 250 miles
- 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?
 - A 10 inches
 - B 4 inches
 - C 7.8 inches
 - D 11.2 inches
- 11) The cost of 40 candy bars is \$30. How much will 15 cost?
 - A \$0.75
 - B \$11.25
 - C \$20.00
 - D \$42.00
- 16) A 24-ft. hallway is just 8 in. on the blueprint. What is the scale?
 - A 1 in : 3 ft
 - B 1 in : 8 ft
 - C 1 in : 12 ft
 - D 1 in : 16 ft