

Name \_\_\_\_\_

Date \_\_\_\_\_

### Scale Drawings of Geometric Figures - Independent Practice Worksheet

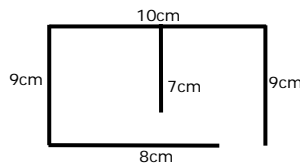
Complete all the problems. Make sure to draw pictures to help you solve the problems.



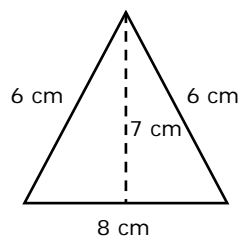
1. Logan made a treasure hunt map. The treasure is 25 cm away from his location. If each 1 cm on the scale drawing equals 5 meters, then how far he is from treasure?

2. Jordan made a wooden square box. All sides of the wooden box are 6 cm. If he wants to increase the length of all sides by 1.6 cm, what will be the perimeter and area of the new box?

3. Abigail redecorates her house. A scale drawing of her house can be seen below. If each 6 cm on the scale drawing equals 12 ft, what are the actual dimensions of Abigail's house?



4. Olivia goes to Egypt and saw a model of triangle shaped pyramid. She enlarged it using a scale factor of 1.2. What will be the perimeter and area of the new triangle pyramid?



5. At Carter's birthday party his mom made a cake in a rectangular shape. The length of cake is 8 cm and width of cake is 6 cm. If she wants to add 1 cm of cream around the cake, what will be the perimeter and area of the rectangle cake?

6. Max makes a scale drawing of distance between Salt Lake City and Arizona. The distance between Salt Lake City and Arizona is 21 cm. If each 7 cm on the scale drawing equals 250 kilometers, how far apart are the Salt Lake City and Arizona?



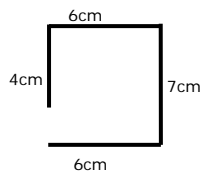
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7. In the morning, Sophie goes to the church then goes to the school. In the afternoon she goes to school to home. The map shows the distance between school and home as 5 cm. If every 4 cm on the scale drawing equals 8 kilometers, how far apart are the school and home?

8. Gavin goes to the market and buys one rectangle shaped board. The length of the board is 16 cm and width of board is 10 cm. If he wants to add a 2 cm wooden border around the board, what will be the area of the rectangle board?

9. Andrew draws a scale drawing of his office. If each 5 cm on the scale drawing equals 10 ft, what are the actual dimensions of Andrew's office?



10. Anna is a sales person who has jobs this week in cities within North Carolina and South Carolina. On a map, these two cities are 50 centimeters apart. The map uses a scale of 2 centimeters = 4 kilometers. What is the actual distance between these cities?

