

Physical Science
Scale Drawings

Name: _____ Block: ____

1. A stadium is 150 yards long and 75 yards wide. If one inch On The Drawing represents 5 yards In Real Life, how big will the drawing be?
2. The length of the thruway is 600 miles. If 0.5 cm on a map represents 50 miles, what is the length of the thruway on the map?
3. The dimensions of a building are 250 feet by 120 feet. If 1 cm represents 20 feet on a scale drawing, what are the dimensions of the building on the drawing?
4. If one cm represents 10 m, what dimensions would you use to make a scale drawing of building 20 m by 40 m?
5. If on a scale drawing 48 feet are represented by 12 cm, then a scale of 20 mm on the drawing represents how many feet?
6. If 1 inch represents 75 miles on a map, then how many inches will represent 1500 miles?

Level 1:

The scale factor expresses how many units In Real Life are represented by the same single unit On The Map. For example, if 1 mm on a drawing represents 4 km In Real Life, the scale factor is 1:4,000,000. Compute the scale factors for each of the six drawings or maps listed above.

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| 1. | 2. | 3. |
| 4. | 5. | 6. |