

Pre-Algebra
Unit 10: Similar Figures
Extra Practice 10.4

1. A rectangle is 10 by 15. It is scaled by a scale factor of 5. What is the perimeter of the new figure?
2. A 4 in x 10 in x 12 in triangle is scaled by $\frac{1}{2}$. What is the perimeter of the new triangle?
3. A square has side lengths of 0.4 mm. The square is enlarged by a factor of 100. On a grid, each unit is 4mm. What are the dimensions of the new square on the grid?
4. A playground is 30 yards by 50 yards. It is scaled by $\frac{1}{10}$ in order to fit on a grid. What is perimeter of the scaled playground?
5. The perimeter of a rectangle is 30 cm. This rectangle is scaled by a factor of 2. What is the perimeter of the new rectangle?