

Name : _____

Perimeter and Area

L1S2

- 1) The scale factor of similar parallelograms P to Q is 8 : 7. If the area of parallelogram Q is 147 square yards, find the area of parallelogram P.

- 2) Rhombus F and rhombus G are similar. The scale factor of F to G is 1.6 : 5.5. Determine the perimeter of G, if the perimeter of F is 16 yards.

- 3) Two regular figures are similar. The scale factor of the smaller figure to the larger figure is 1 : 3. If the area of the smaller figure is 16 square yards, find the area of the larger figure.

- 4) Two regular figures are similar. The scale factor of the smaller figure to the larger figure is 1 : 3. If the perimeter of the smaller figure is 16 yards, find the perimeter of the larger figure.

- 5) Two regular figures are similar. The scale factor of the smaller figure to the larger figure is 1 : 3. If the area of the smaller figure is 16 square yards, find the area of the larger figure.

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Answer key

Perimeter and Area

L1S2

- 1) The scale factor of similar parallelograms P to Q is 8 : 7. If the area of parallelogram Q is 147 square yards, find the area of parallelogram P.

192 square yards

- 2) Rhombus F and rhombus G are similar. The scale factor of F to G is 1.6 : 5.5. Determine the perimeter of G, if the perimeter of F is 16 yards.

- 3) Two regular figures are similar. The scale factor of the smaller figure to the larger figure is 1 : 3. If the area of triangle C is 12 square yards, find the area of triangle D.

- 4) Two regular figures are similar. The scale factor of the smaller figure to the larger figure is 4 : 6. If the perimeter of the smaller figure is 48 yards, find the perimeter of the larger figure.

- 5) Two regular pentagons are similar. The scale factor of the smaller pentagon to the larger pentagon is 0.5 : 1. The area of the smaller pentagon is 25 square inches. Find the area of the larger pentagon.

6.25 square inches

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8 yards