

Name : _____

Perimeter and Area

L2S1

- 1) The perimeters of regular figures Y and Z are 7 cm and 14 cm respectively. If the area of figure Z is 40 cm^2 , find the area of figure Y.

- 2) Parallelograms C and D are similar. The areas of C and D are 75.6 mm^2 and 52.5 mm^2 respectively. What will be the perimeter of D, if the perimeter of C is 36 mm?

- 3) The perimeters of two similar triangles are 10 cm and 20 cm respectively. If the area of the smaller triangle is 10 cm^2 , find the area of the larger triangle.

- 4) Two similar squares G and H have side lengths of 5 cm and 10 cm respectively. Determine the perimeters of G and H.

- 5) The perimeters of two similar rectangles are 10 cm and 20 cm respectively. If the sum of their areas is 100 cm^2 , find the area of each figure, if the perimeter of the smaller rectangle is 10 cm.

- 6) The areas of two similar kites are 16 mm^2 and 64 mm^2 . If the sum of their perimeters is 5.4 mm, find the perimeter of each kite.

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