

Name : \_\_\_\_\_

## Perimeter and Area

L2S2

- 1) M and N are similar rhombuses. The areas of M and N are 75 square inches and 243 square inches respectively. What will be the perimeter of M, if the perimeter of N is 54 inches?

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- 2) The perimeters of similar trapezoids V and W are 46.8 yards and 63 yards respectively. If the area of trapezoid W is 122.5 square yards, find the area of trapezoid V.

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- 3) Q and R are similar figures. The area of Q is 100 square feet and the area of R is 49 square feet respectively. Find the ratio of their perimeters.

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- 4) Two figures are similar. The area of the smaller figure is 216 square centimeters. If the area of the larger figure is 400 square centimeters, find the ratio of their perimeters.

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- 5) The areas of two similar figures are 16 square feet and 25 square feet. If the perimeter of the smaller figure is 12 feet, find the perimeter of the larger figure. What is the ratio of their perimeters?

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- 6) The perimeters of two similar quadrilaterals are 15 yards and 19.5 yards. Find the area of each quadrilateral, if the sum of their areas is 10.76 square yards.

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