

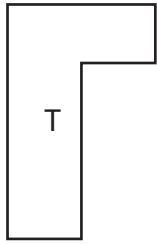
Name : _____

Scale Factors - Perimeters

L1S2

Each pair of figures is similar. Find the missing perimeter. (P denotes Perimeter)

1) Scale factor of T to U is 3.5 : 3.2



P = 14 in

Perimeter of figure

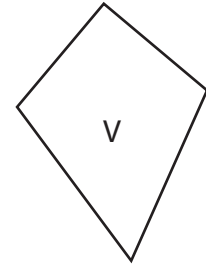


U

2) Scale factor of W to V is 2 : 5



W

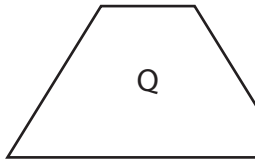


V

P = 20 yd

Perimeter of figure W = _____

3) Scale factor of R to G is 4 : 3



P = ?

Perimeter of figure

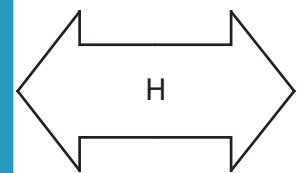
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Scale factor of figure W to G is 8 : 4.3



H

P = ?

Perimeter of figure H = _____

5) The scale factor of figure Y to figure X is 3 : 1. If the perimeter of figure Y is 65 yards, what would be the perimeter of figure X?

Perimeter of figure X, if the perimeter of

6) The scale factor of two squares is 3 : 1. If the perimeter of the larger square is 27 feet, what would be the perimeter of the smaller square?

Name : _____

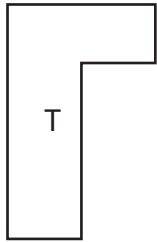
Answer key

Scale Factors - Perimeters

L1S2

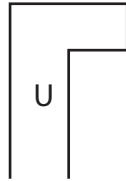
Each pair of figures is similar. Find the missing perimeter. (P denotes Perimeter)

1) Scale factor of T to U is 3.5 : 3.2

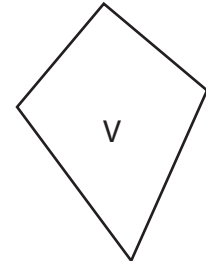


P = 14 in

Perimeter of figure



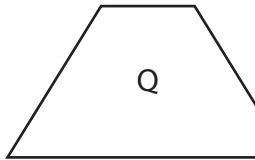
2) Scale factor of W to V is 2 : 5



P = 20 yd

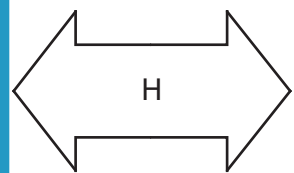
Perimeter W = 8 yd

3) Scale factor of R to G is 8 : 4.3



P = ?

Perimeter of figure



P = ?

Perimeter H = 80 in

5) The scale factor of figure Y to figure X is 3 : 1. If the perimeter of figure Y is 65 yards,

136.5 yards

6) The scale factor of two squares is 3 : 1. If the perimeter of the larger square is 27 feet, what would be the perimeter of the smaller square?

9 feet

PREVIEW

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