

Name : _____

Scale Factors - Perimeters

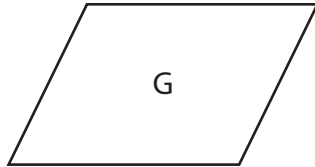
L1S3

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

1) Scale factor of F to G is 4 : 9

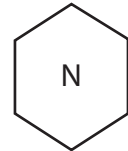
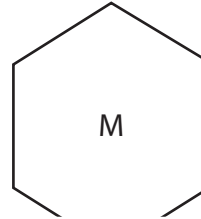


P = 28 yd



Perimeter of figure

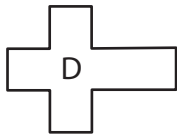
2) Scale factor of N to M is 3.1 : 5.4



P = 62 ft

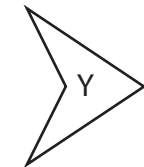
Perimeter of figure M = _____

3) Scale factor of E to D is 9 : 1.6



P = ?

Perimeter of figure



P = ?

Perimeter of figure Y = _____

5) B and C are similar kites. If the perimeter of figure B is 10 inches, determine the perimeter of figure C.

6) The scale factor of similar kites S to T is 2.3 : 5. If the perimeter of kite T is 10 inches, determine the perimeter of kite S.

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Name : _____

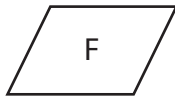
Answer key

Scale Factors - Perimeters

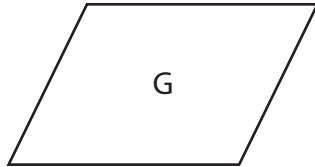
L153

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

1) Scale factor of F to G is 4 : 9

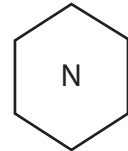
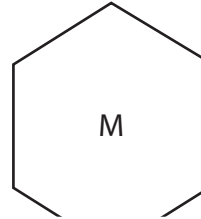


P = 28 yd



Perimeter of figure

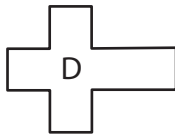
2) Scale factor of N to M is 3.1 : 5.4



P = 62 ft

Perimeter of figure M = 108 ft

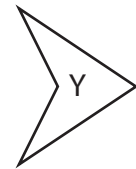
3) Scale factor of E to



P = ?

Perimeter of figure

Figure Y is 9 : 1.6



P = ?

Perimeter of figure Y = 9.6 yd

5) B and C are similar
if the perimeter of

38.5 feet

the perimeter of figure B,

6) The scale factor of similar kites S to T is 2.3 : 5. If the perimeter of kite T is 10 inches, determine the perimeter of kite S.

4.6 inches

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