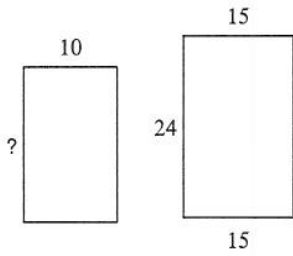


Using Similar Polygons

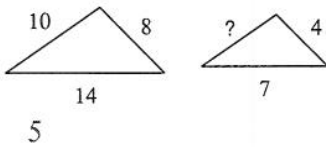
The polygons in each pair are similar. Find the missing side length.

1)



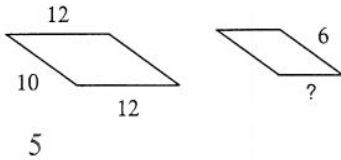
16

3)



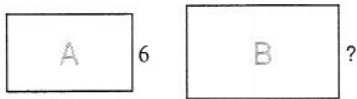
5

5)



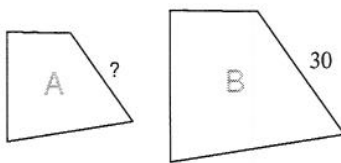
5

7)



scale factor from A to B = 2 : 7
21

9)



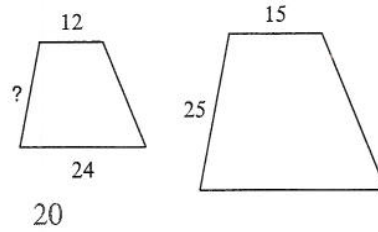
scale factor from A to B = 5 : 6
25

11)

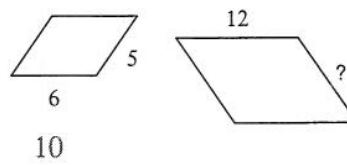


scale factor from A to B = 2 : 3
6

2)

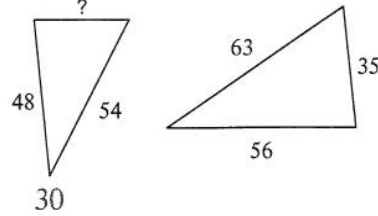


4)



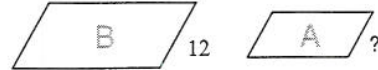
10

6)



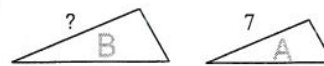
30

8)



scale factor from A to B = 2 : 3
8

10)



scale factor from A to B = 1 : 7
49

12)



scale factor from A to B = 1 : 2
3