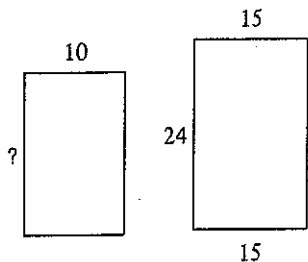


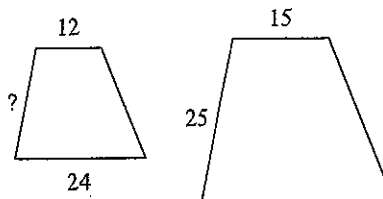
### Using Similar Polygons

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

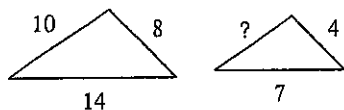
1)



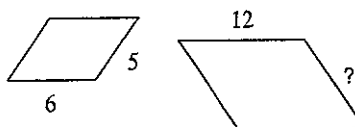
2)



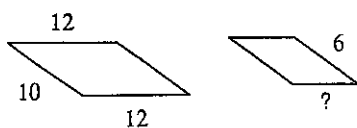
3)



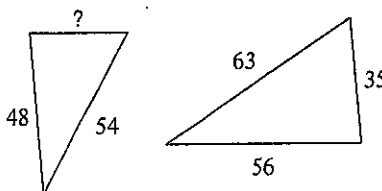
4)



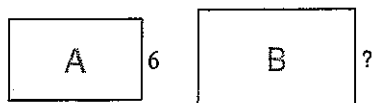
5)



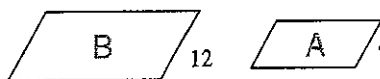
6)



7)



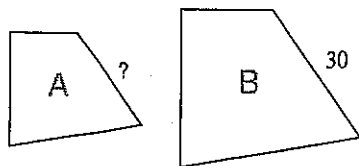
8)



scale factor from A to B = 2 : 7

scale factor from A to B = 2 : 3

9)



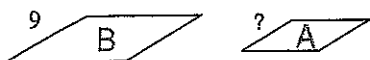
10)



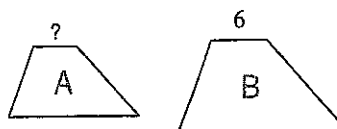
scale factor from A to B = 5 : 6

scale factor from A to B = 1 : 7

11)



12)



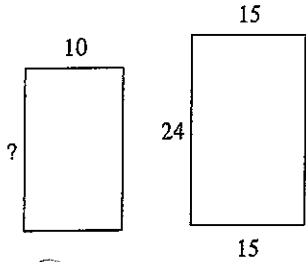
scale factor from A to B = 2 : 3

scale factor from A to B = 1 : 2

Using Similar Polygons

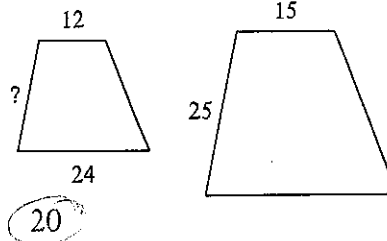
The polygons in each pair are similar. Find the missing side length.

1)

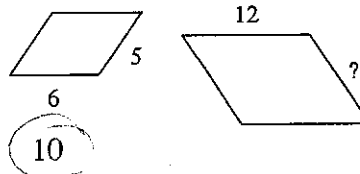


16

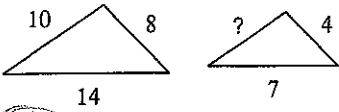
2)



4)

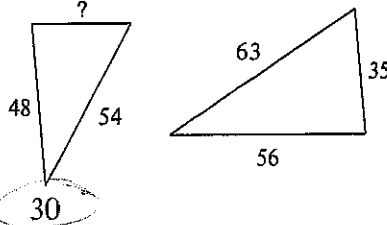


3)

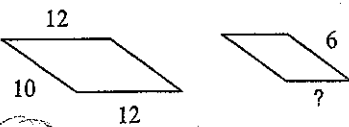


5

6)

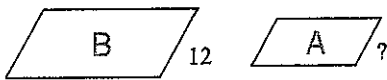


5)

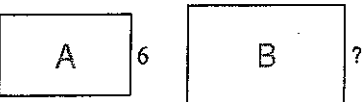


5

8)



7)



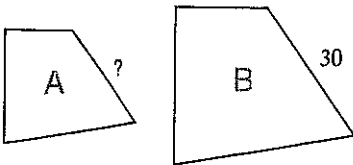
scale factor from A to B = 2 : 7

21

scale factor from A to B = 2 : 3

8

9)



scale factor from A to B = 5 : 6

25

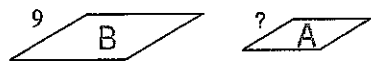
10)



scale factor from A to B = 1 : 7

49

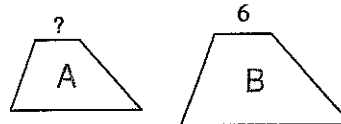
11)



scale factor from A to B = 2 : 3

6

12)



scale factor from A to B = 1 : 2

3