16.2 Enlarging shapes

Pick and Fill

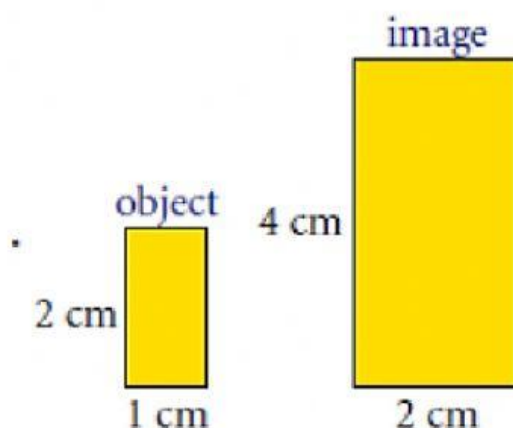| Same	Size	Changes	Enlargement
Keep	Proportion	Angles	

An _____of a shape is a copy of the shape

that _____the _____, but _____the

same _____. In an enlargement all the _____

stay the _____ size.

Look at these two rectangles.
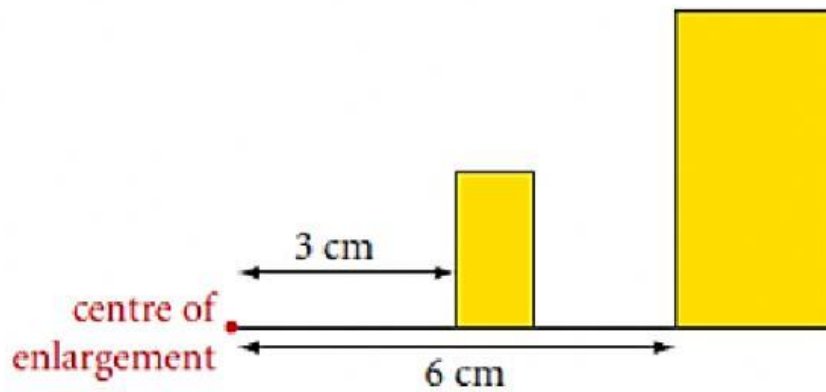
image

object   4 cm

2 cm

1 cm   2 cm

| Twice | Scale factor | 2 | Image |

The _____ is an enlargement of the object. Every length on the image is _____ as long as the corresponding length on the object. The _____ is _____.

centre of enlargement

3 cm

6 cm

Center of enlargement

Distance

twice

Center of enlargement

The _____ tells you where to draw the

image on a grid. In this case, as the scale factor is 2, not only must

the image be twice the size of the object, it must be _____

the _____ from the _____ .