

Using Ratios

Dilate objects by using a marked ratio or scale factor.

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Mark a Ratio

Select a segment.

Its length will be the numerator of the ratio.

Select a second segment...

for the denominator.

Choose Transform | Mark Segment Ratio.

A brief animation shows up.

Double-click a point to mark it as the center of dilation.

A brief animation shows up.

Select one or more objects.

Choose Transform | Dilate.

A dialog box shows up.

Click Dilate.

The image shows up...

dilated by the value of the ratio.

Mark a Scale Factor

Construct a point on a line...

Select the point and choose Measure | Value of Point.

The value of the point gives its location on the line.

Select the value and choose Transform | Mark Scale Factor.

You can now use the scale factor to dilate an object.