

# Skill Builder

## 4 Dilations With a Positive Scale Factor

EVALUATED



- 1** Describe the image of a polygon produced from the dilation  $h\left(O, \frac{5}{2}\right)$ .

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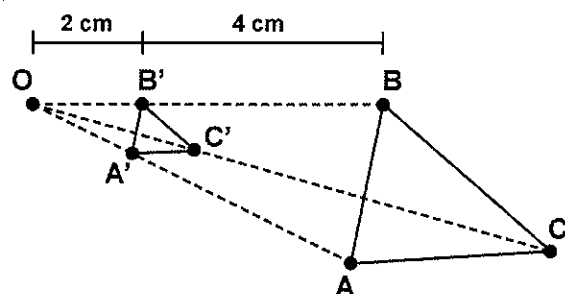
- 2** Describe the image of a polygon produced from the dilation  $h\left(A, \frac{1}{3}\right)$ .

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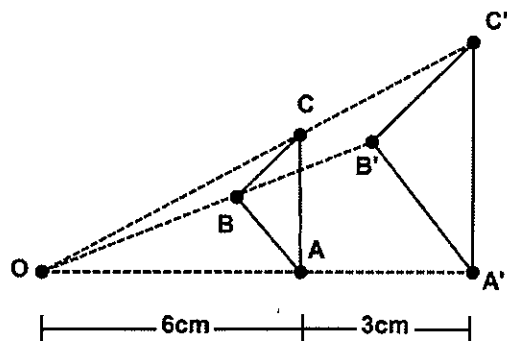
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- 3** Given the dilation below, determine the scale factor  $K$ .



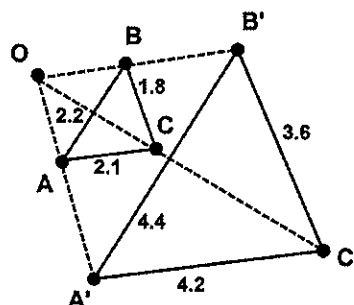

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- 4** Given the dilation below, determine the scale factor  $K$ .



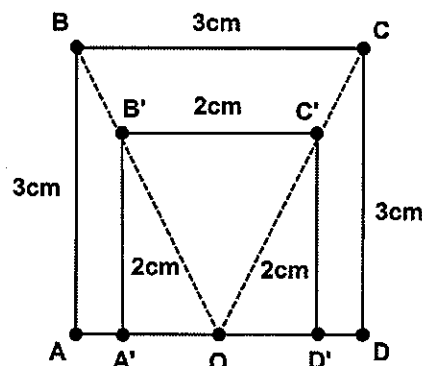

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- 5** Given the dilation below, determine the scale factor  $K$ .



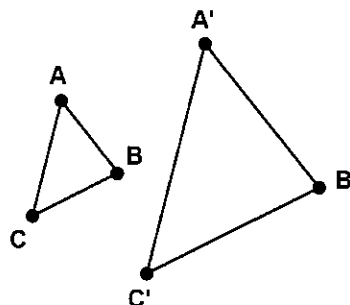

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- 6** Given the dilation below, determine the scale factor  $K$ .

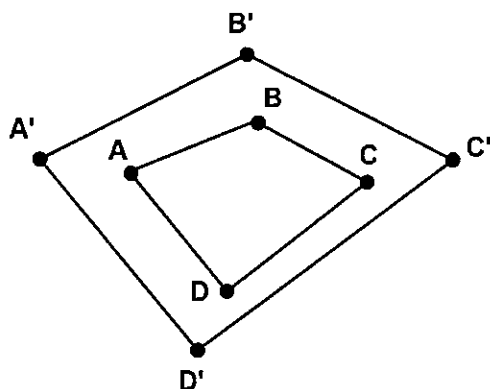



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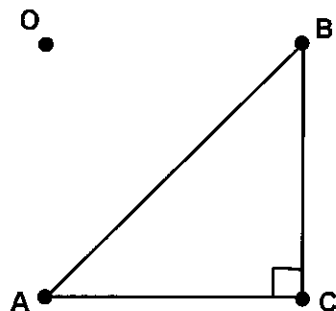
- 7** Given the dilation below, determine the position of the center of dilation.



- 8** Given the dilation below, determine the position of the center of dilation.



- 9** Draw the image of the polygon below by the dilation  $h(O, 2)$ .



- 10** Draw the image of the polygon below by the dilation  $h\left(B, \frac{2}{3}\right)$ .

