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GEOMETRY · 5 MINUTES · START RIGHT AWAY

Lesson 7-1b # Analyze Dilations

Name _____ Date _____ Per _____

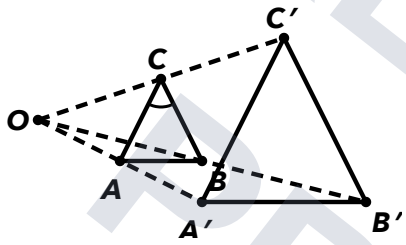
1 FLUENCY

Classify each dilation by its scale factor k.

$k = \frac{3}{4}$	$k = 2.5$	$k = 1$

2 VISUAL MODEL

Dilation: center O, $k = 2$, $\triangle ABC \rightarrow \triangle A'B'C'$. $AB = 4$ cm and $m\angle C = 53°$.



$A'B' =$ ☐

$m\angle C' =$ ☐

$A'B'$ parallel to AB? **Yes** or **No**

3 APPLICATION

A 4 in. by 6 in. photo is dilated by a scale factor of 2.5 to make a poster. Find the poster's dimensions. How many times the photo's area is the poster's area?

dimensions: _____ area: _____

WORK

4 REASONING

Line ℓ passes through the center of a dilation with $k = 3$. Jay says the image of ℓ is a different line parallel to ℓ. Is he correct? Explain.

Yes or **No**

_____

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com