DO NOW

GRADE 8 · 5 MINUTES · START RIGHT AWAY

Lesson 6-1a # Understand Translations

Name _____ Date _____ Per _____

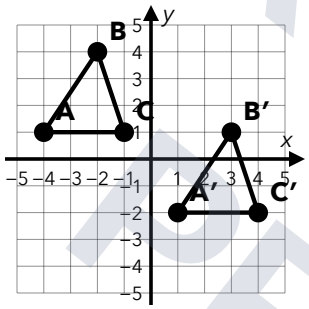
1 FLUENCY

Point $P(3, -2)$ is translated 4 units left and 5 units up. Find the coordinates of P'.

$P' =$ ☐

2 VISUAL MODEL

Triangle $A'B'C'$ is the image of triangle ABC after a translation.



Moves ☐ units right

and ☐ units down.

Size: **same** or **changed**

Orientation: **same** or **changed**

3 APPLICATION

In a video game, a character stands at $(-4, 2)$. It slides 7 units right, then 3 units down. Where is the character now? How many units did it slide in all?

New position: ☐ Total: ☐ units

WORK

4 REASONING

Choose Always, Sometimes, or Never.

1) A translated figure is congruent to the original. **Always** **Sometimes** **Never**

2) A translated point keeps the same x-coordinate. **Always** **Sometimes** **Never**

*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