DO NOW

GEOMETRY · 5 MINUTES · START RIGHT AWAY

Lesson 7-5c **Use the Corollary to the Side-Splitter Theorem**

Name _____ Date _____ Per _____

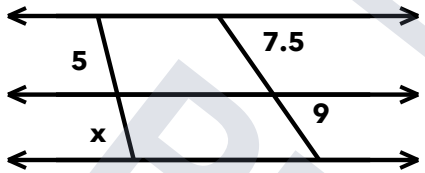
1 FLUENCY

Three parallel lines cut two transversals. On the first transversal the segments are 6 and 9. On the second they are 8 and x. Find x.

$$\frac{6}{9} = \frac{8}{x} \rightarrow x = \square$$

2 VISUAL MODEL

The three horizontal lines are parallel. Write a proportion and find x.



$$\frac{5}{x} = \frac{7.5}{9}$$

$x =$ ☐

3 APPLICATION

Three parallel side streets cross Oak St and Elm St. On Oak St the two blocks between them are 40 ft and 60 ft long. On Elm St the total length is 150 ft. Find each Elm St block.

☐ and ☐

WORK

4 REASONING

Three parallel lines cut two transversals. The segments on one transversal are congruent to the matching segments on the other transversal. This is …

always true **sometimes true** **never true**

_____

_____

*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