DO NOW

GEOMETRY · 5 MINUTES · START RIGHT AWAY

Lesson 2-2b **Write a Flow Proof of Theorem 2-5**

Name _____ Date _____ Per _____

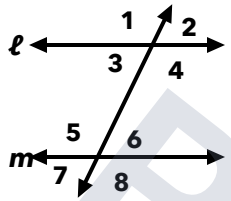
1 FLUENCY

$\angle P \cong \angle Q$ and $\angle Q \cong \angle R$. What can you conclude? Name the property.

[ ] _____

2 VISUAL MODEL

Given: $\angle 1 \cong \angle 5$. Prove: ℓ parallel to m. Complete the flow proof.



$\angle 1 \cong \angle 5$

Given

$\angle 1 \cong \angle 4$

_____

Transitive Prop. of $\cong$

ℓ parallel to m

Conv. of Alt. Int. $\angle$s Thm.

3 APPLICATION

A painter draws parking stripes across a curb line. Each stripe makes a 65° angle with the curb, measured in the same position. Are the stripes parallel? Name the theorem.

Yes or **No**

_____

WORK

4 REASONING

Kai's last step says "ℓ parallel to m by the Corresponding Angles Theorem." What is wrong with Kai's reason?

_____

_____

_____

*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