

MATH 8 QUARTER 4 LAS 4a: LESSON- PROPERTIES OF PARALLEL LINES

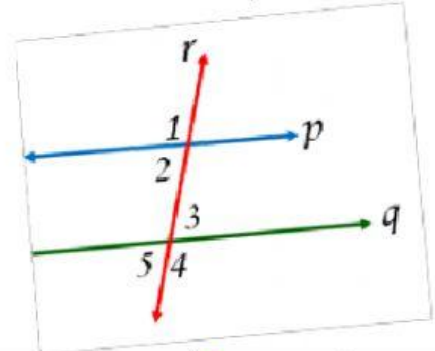
DIRECTIONS: TYPE YOUR **ANSWERS IN THE BOX** PROVIDED, CLICK **FINISH** THEN CLICK **CHECK MY ANSWERS**.
TAKE A SCREENSHOT OF YOUR SCORE THEN SEND IT TO MY MESSENGER.



Activity 1-B:

Fill in the missing statements and reasons with the letter of your answer from the choices.

Lines p and q are parallel and is cut by line r .
If $\angle 1 = 115^\circ$, find the measure of the numbered angles 2, 3, 4, and 5. Give your reason.



CHOICES:

A. Vertical Angles	C. Linear Pair	E. $\angle 5 = 65^\circ$	G. $\angle 3 = 65^\circ$	I. $\angle 4 = 115^\circ$
B. Supplementary Angles	D. $\angle 2 = 180 - 115$ $\angle 2 = 65^\circ$	F. Alternate Interior Angles	H. Alternate Exterior Angles	J. $115^\circ + \angle 2 = 180^\circ$

Solution:

Statements	Reasons
1. $p \parallel q$ cut by a transversal r $\angle 1 = 115^\circ$	1. Given
2. $\angle 1$ and $\angle 2$	2.
3. $\angle 1 + \angle 2 = 180^\circ$	3.
4.	4. Substitution
5.	5. Subtraction Property of Equality
6. $\angle 2 = \angle 3$	6.
7.	7. Substitution
8. $\angle 3 = \angle 5$	8.
9.	9. Substitution
10. $\angle 1 = \angle 4$	10.
11.	11. Substitution