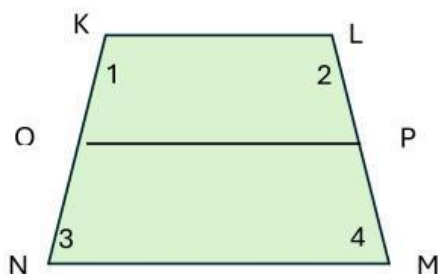


ACTIVITY CARD

Read and answer the following questions.

A. Given Isosceles trapezoid KLMN with median OP.



___ 1. What segment is congruent to \overline{KN} ?

___ 2. $\angle 1 \cong$ ___.

___ 3. If $m\angle 3 = 68$, then what is $m\angle 4$?

___ 4. If $m\angle 3 = 68$, then what is $m\angle 2$?

___ 5. If $m\angle 3 = 3x - 5$ and $m\angle 4 = x + 21$, then what is $m\angle 4$?

___ 6. If $KM = 17$ cm, what is LN ?

___ 7. If $\angle 1 = 2(y + 4)$ and $\angle 2 = 116$, what is y ?

___ 8. If $KM = 2x + 10$ and $LN = 4x - 6$, what is KM ?

___ 9. If $OP = x$, $KL = 10$ and $MN = 18$, then what is x ?

___ 10. If $KL = x - 4$, $OP = 40$ and $MN = 61$, what is x ? What is KL ?