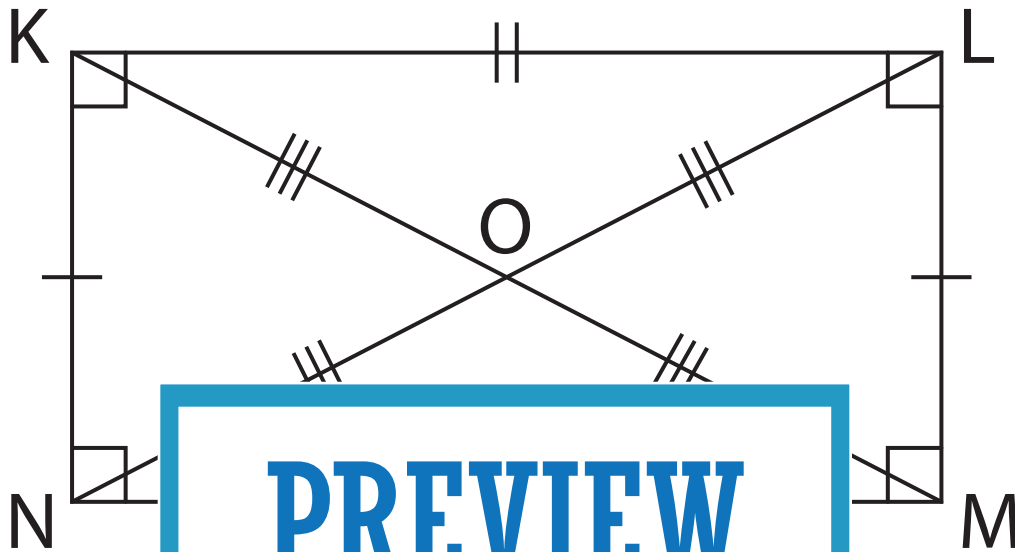


# PROPERTIES OF A RECTANGLE



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- Diagonal LN divides the rectangle into two congruent right triangles namely  $\triangle KLN$  and  $\triangle LNM$ .  
 $\overline{KN} = \overline{LM}$
- Diagonal KM divides the rectangle into two congruent right triangles namely  $\triangle KLM$  and  $\triangle MNK$ .  
 $\overline{KO} = \overline{MO}$
- The diagonals LN and KM divide the rectangle into four congruent right triangles namely  $\triangle KLO$ ,  $\triangle LMO$ ,  $\triangle MNO$  and  $\triangle NOK$ .
- The diagonal LN divides the rectangle into two congruent right triangles namely  $\triangle LKN$  and  $\triangle NML$ .