GEOMETRY · HOMEWORK

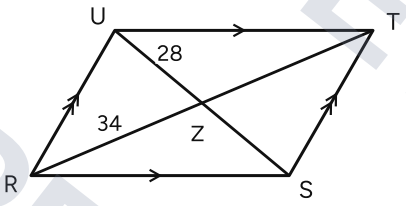
Explore the Diagonals of a Parallelogram

SCORE / 25

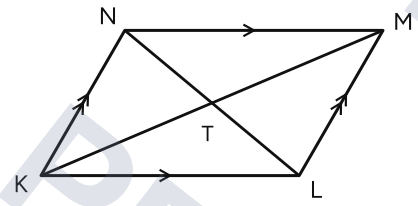
01 Part A · Practice

The diagonals of a parallelogram bisect each other: they meet at the midpoint of each diagonal.

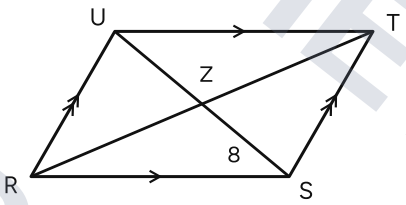
1 ●○○ In □$RSTU$, $RZ = 34$ and $UZ = 28$. Find $RT + SU$.



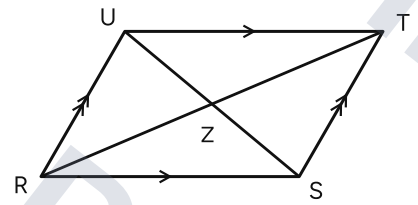
2 ●○○ The diagonals of □$KLMN$ meet at T, and $LN = 16$. Find NT.



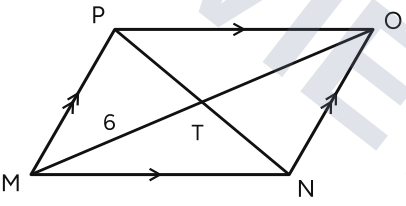
3 ●○○ The diagonals of □$RSTU$ meet at Z. $SZ = 8$. Find UZ.



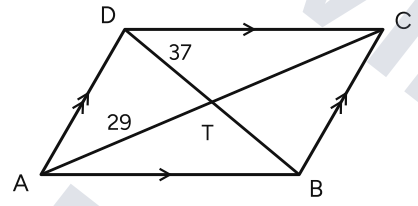
4 ●○○ The diagonals of □$RSTU$ meet at Z, and $SU = 56$. Find UZ.



5 ●○○ The diagonals of □$MNOP$ meet at T. $MT = 6$. Find MO.



6 ●○○ In □$ABCD$, $AT = 29$ and $DT = 37$. Find $AC + BD$.



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Preview - the full worksheet and its answer key are at primeworksheet.com