

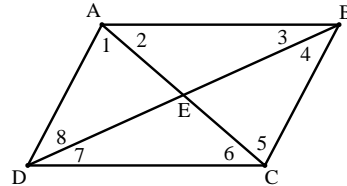
Common Core Geometry Proof – Parallelograms_3

Diagonals Bisect

Theorem: If a quadrilateral is a parallelogram, then the diagonals bisect each other.

Given: Parallelogram ABCD
Diagonals \overline{AC} and \overline{BD}

Diagram:



Prove: \overline{AC} and \overline{BD} bisect each other at E

Statements	Reasons