Corresponding Parts

Examples & Non-Examples

Example	Example	Non-Example
F D C E B	E D C B	F D C B

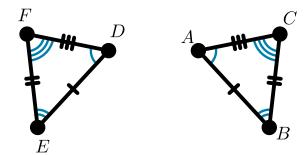
Definition

Corresponding parts are the matching sides and angles of two figures, usually triangles, that are in the same relative position.

Key points:

- In congruent figures, corresponding parts are congruent.
- In similar figures, corresponding angles are congruent, and corresponding sides are proportional.
- The order of the letters in a congruence or similarity statement shows which parts correspond.

Example



If $\triangle ABC \cong \triangle DEF$, then the corresponding parts are:

Angles: ∠A≅∠D, ∠B≅∠E, ∠C≅∠F
Sides: AB≅DE, BC≅EF, AC≅DF

This is often written as **CPCTC**: Corresponding Parts of Congruent Triangles are Congruent.

