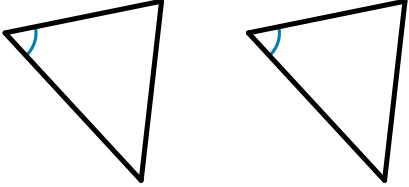
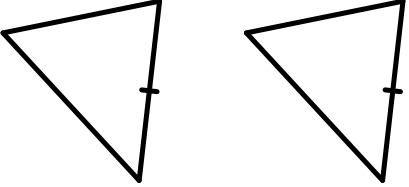
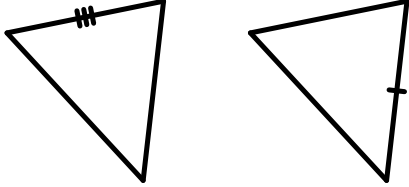


Corresponding Parts

Examples & Non-Examples

Example	Example	Non-Example
		

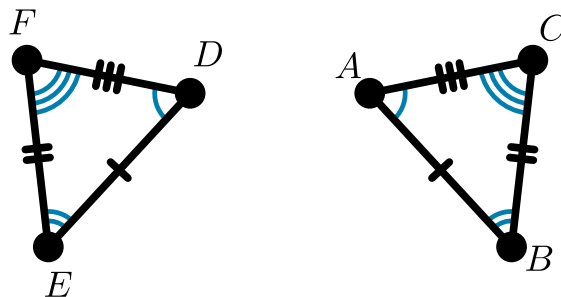
Definition

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:** $\angle A \cong \angle D$, $\angle B \cong \angle E$, $\angle C \cong \angle F$
- **Sides:** $AB \cong DE$, $BC \cong EF$, $AC \cong DF$

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

