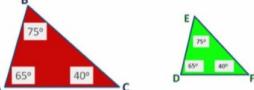


AAA Rule



$\angle A = \angle D = 65^\circ$
 $\angle B = \angle E = 75^\circ$
 $\angle C = \angle F = 40^\circ$

$\triangle ABC \sim \triangle DEF$ by the **AAA** Rule.

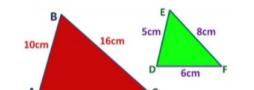
$$\frac{AB}{DE} = \frac{10}{5} = 2$$

$$\frac{BC}{EF} = \frac{16}{8} = 2$$

$$\frac{AC}{DF} = \frac{12}{6} = 2$$

$\triangle ABC \sim \triangle DEF$ by the **SSS** Rule.

SSS Rule



$AB = 10\text{cm}$
 $BC = 16\text{cm}$
 $AC = 12\text{cm}$

$DE = 5\text{cm}$
 $EF = 8\text{cm}$
 $DF = 6\text{cm}$

$\triangle ABC \sim \triangle DEF$ by the **SSS** Rule.

$$\frac{BC}{EF} = \frac{16}{8} = 2$$

$$\angle C = \angle F = 40^\circ$$

$$\frac{AC}{DF} = \frac{12}{6} = 2$$

$\triangle ABC \sim \triangle DEF$ by the **SAS** Rule.

SAS Rule



$AB = 16\text{cm}$
 $BC = 12\text{cm}$
 $\angle C = 40^\circ$

$DE = 8\text{cm}$
 $EF = 6\text{cm}$
 $\angle F = 40^\circ$

$\triangle ABC \sim \triangle DEF$ by the **SAS** Rule.

$$\frac{BC}{EF} = \frac{16}{8} = 2$$

$$\angle C = \angle F = 40^\circ$$

$$\frac{AC}{DF} = \frac{12}{6} = 2$$

$\triangle ABC \sim \triangle DEF$ by the **RHS** Rule.

RHS Rule



$\angle A = \angle D = 90^\circ$
 $AB = 8\text{mm}$
 $BC = 10\text{mm}$

$DE = 4\text{mm}$
 $EF = 5\text{mm}$

$\triangle ABC \sim \triangle DEF$ by the **RHS** Rule.

enfoiree_

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