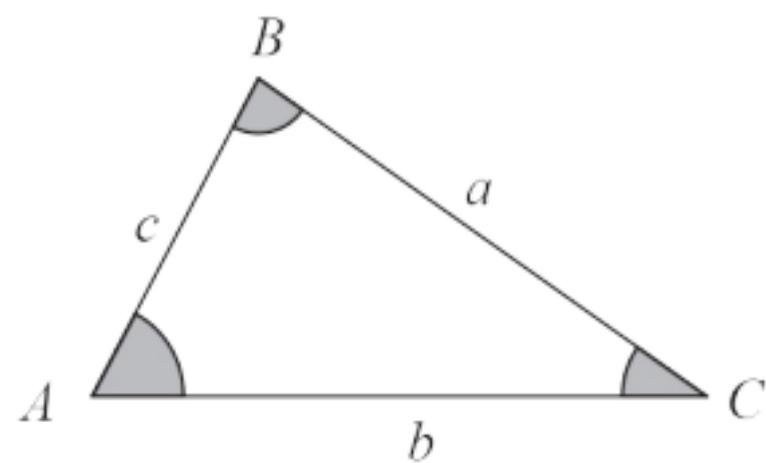


You can use the sine and cosine rules to calculate lengths and angles in any triangle — not just right-angled triangles.

When you know a pair of opposite sides and angles, you can calculate other sides and angles using the **sine rule**.



The sine rule states that, for triangle ABC ,

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C} \quad \text{or} \quad \frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

Key point

Use the left-hand version for sides and the right-hand one for angles.