The Practise Ground

Classes 6-10 Maths

Geometry at a Glance

Key angle, triangle and area rules

1 Triangle angles add to 180°

Every triangle

Exterior angle = sum of the two opposite interior angles

2 $a^2 + b^2 = c^2$

Pythagoras theorem

Right-angled triangles only. c is the longest side

3 Quadrilateral angles add to 360°

Any four-sided shape

Polygon with n sides: $(n - 2) \times 180°$

4 Area = ½ × base × height

Triangle

Rectangle: $l \times b$. Circle: πr^2. Circumference: $2\pi r$

Angle rules

Complementary angles add to 90°.

Supplementary angles add to 180°.

Vertically opposite angles are equal.

Quick example

A triangle has angles 50° and 60°.

Third angle = 180° − 110° = 70°

Think you've got it? Test yourself.

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