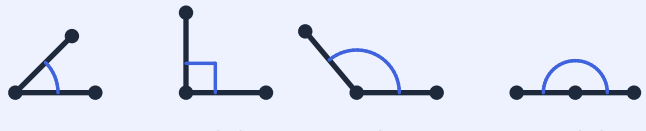
MATH · GEOMETRY

Geometry cheat sheet

1 Types of angles



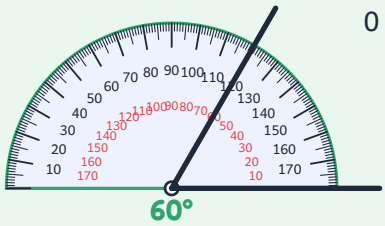
acute
less than 90°

right
exactly 90°

obtuse
90° to 180°

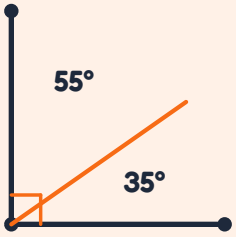
straight
exactly 180°

2 Measuring with a protractor



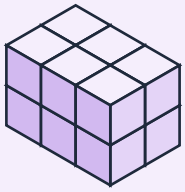
Center on the vertex. 0 line on one ray. Read the scale that starts at 0 on that ray.

3 Adding angles



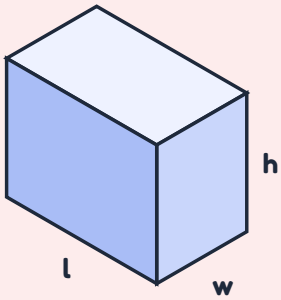
Parts of an angle add up to the whole: 35° + 55° = 90°. A straight line is 180°.

4 Volume by counting



Volume is the number of unit cubes that fill a shape. Count the cubes in one layer, then times the layers: 6 × 2 = 12 cubic units.

5 Volume formula

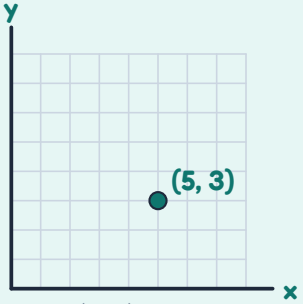


V = l × w × h

5 × 3 × 4 = 60 cm³

or V = base × height

6 The coordinate plane



origin (0, 0)

An ordered pair (x, y): go across x, then up y. The first number is always across.

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