MATH · GEOMETRY

# Geometry cheat sheet

## 1 Types of angles



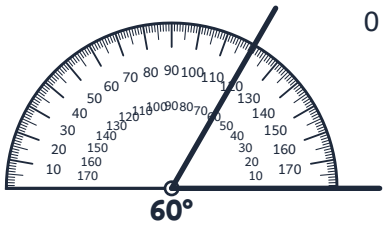
**acute** — less than 90°

**right** — exactly 90°

**obtuse** — 90° to 180°

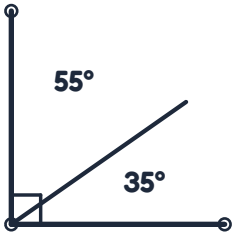
**straight** — exactly 180°

## 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



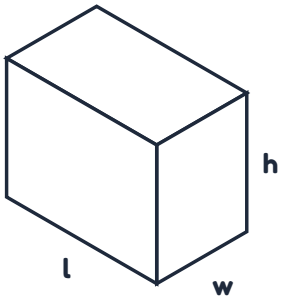

Parts of an angle add up to the whole: 35° + 55° = 90°. A straight line is 180°.

## 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

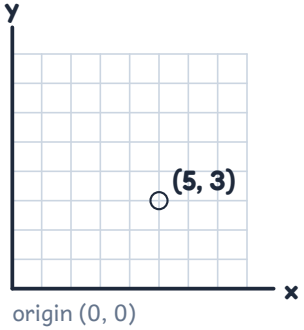



**V = l × w × h**

**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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