

# Types of Angles

Chapter 2: Lines and Angles · Topic 2

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## Key Concept

A right angle, exactly  $90^\circ$ , appears frequently in daily life — the corners of a book, a door frame, or a wall meeting the floor are all typically right angles. Angles smaller than a right angle appear 'sharp' (acute), while angles larger appear 'wide' or 'open' (obtuse). Recognising angle types helps in constructing shapes accurately and understanding more advanced geometric concepts like angle sums in polygons.

## Quick Revision Notes

- Acute angle: less than  $90^\circ$ . Right angle: exactly  $90^\circ$ . Obtuse angle: between  $90^\circ$  and  $180^\circ$ .
- Straight angle: exactly  $180^\circ$ . Reflex angle: between  $180^\circ$  and  $360^\circ$ .
- Right angles commonly appear in daily life, like book corners and door frames.
- Recognising angle types is essential for accurate geometric construction.

## Practice Questions

- 1 Classify angles of  $45^\circ$ ,  $90^\circ$ , and  $120^\circ$ .
- 2 Give one real-life example each of an acute and an obtuse angle.
- 3 Draw and label an example of each of the five angle types.