

Mathematics - Year 10



Angles, Bearing and scale drawings

What do I need to be able to do?

By the end of this unit you should be able to:

- Understand and represent bearings
- Measure and read bearings
- Make scale drawings using bearings
- Calculate bearings using angle rules
- Solve bearings problems using Pythagoras and trigonometry

Keywords

Cardinal directions: the directions of North, South, East, West

angle: the amount of turn between two lines around their common point

Bearing: the angle in degrees measured clockwise from North.

| Perpendicular: where two lines meet at 90°

Parallel: straight lines always the same distance apart and never touch. They have the same gradient

! Clockwise: moving in the direction of the hands on a clock

Construct: to draw accurately using a compass, protractor and or ruler or straight edge.

Scale: the ratio of the length of a drawing to the length of the real thing.

Protractor: an instrument used in measuring or drawing angles.











