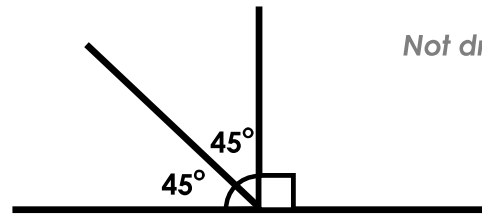# Angles on a Straight Line

1. Noah is trying to work out how a right angle affects the other angles on a straight line. He has experimented below and has come up with a theory.
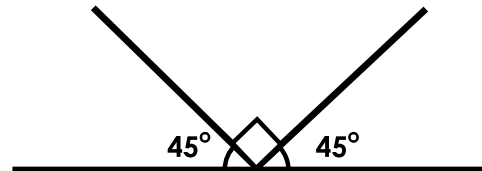
He says,

Not drawn to scale.

> If there are three angles on a straight line and one is a right angle, the other two angles must be 45° every time.
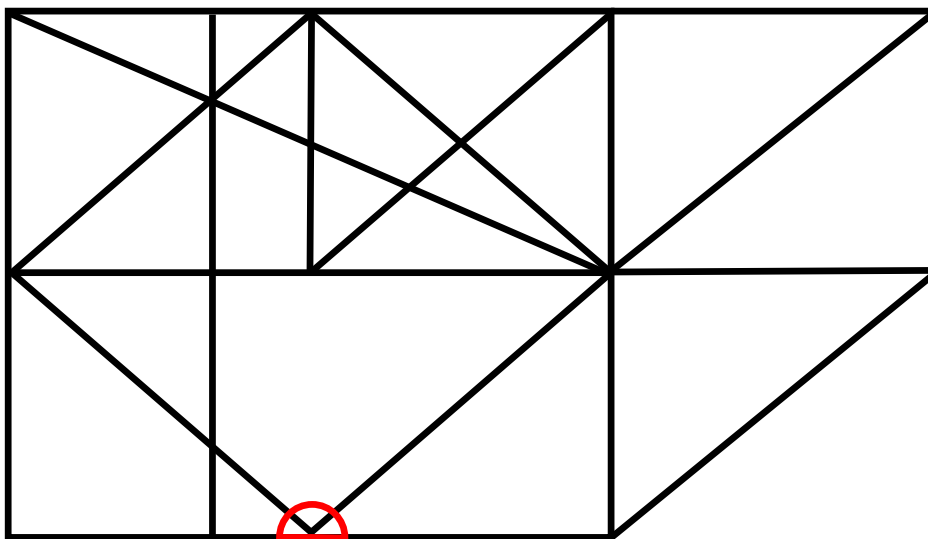
Investigate whether Noah is correct. How could you prove or disprove his theory?

DP

2. Look at the shape below. Explore how many groups of angles there are on a straight line within the shape. One has been done for you.

A group will need to consist of at least three angles.

Not drawn to scale.

DP

Discussion Problems – Angles on a Straight Line – Year 5