

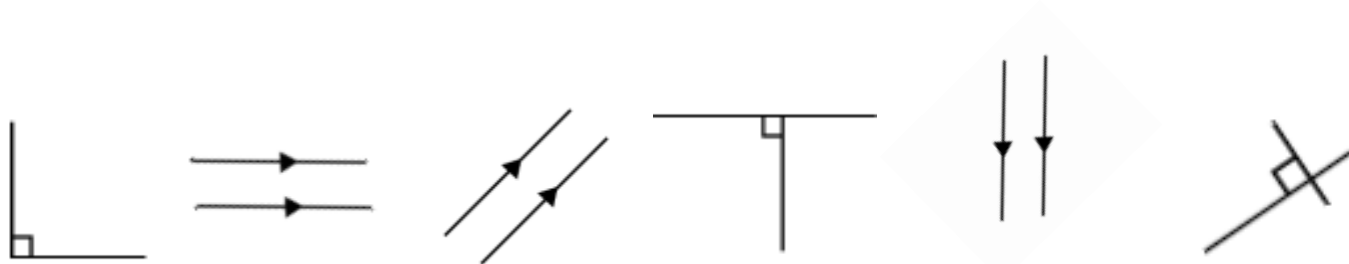
L.O. To identify parallel and perpendicular lines.

Straight lines that are adjacent to each other and will never meet are called **Parallel** lines. They always remain the same distance from each other.

Straight lines that are at a right angle to each other are called **Perpendicular** lines. Perpendicular lines may meet or cross at the right angle, but they don't always.

Layer 1 – Parallel or Perpendicular?

Give each set of lines the correct label.

Layer 2 – Lines within shapes

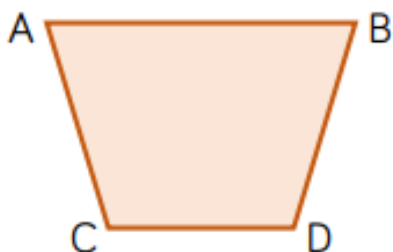
Which shapes have parallel lines?

Which shapes have perpendicular lines?

Do any of the shapes have both types of line?

Layer 3 – Convince me.

These lines are parallel.

Greater Depth – True or False?

Line AB is parallel to line CD.  
Line AC is parallel to line BD.  
Line AC is perpendicular to line CD.

Challenge - re-draw the shape so that line BD is perpendicular to line CD.