




1) Complete the sentences:

Straight lines that never meet and stay the same distance apart are called **parallel** lines.


Straight lines which meet at a right angle are called **perpendicular** lines.

2) Write the number of pairs of parallel and perpendicular lines you can see in each shape.


pairs of parallel lines: **0**
 pairs of perpendicular lines: **1**



pairs of parallel lines: **2**
 pairs of perpendicular lines: **4**



pairs of parallel lines: **6**
 pairs of perpendicular lines: **6**




1) Robin wants to draw parallel lines.

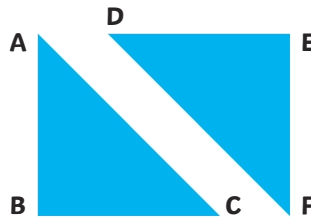
Which points should he join up to create a pair of parallel lines? **AB and CD or AC and BD**

He says, "If I draw a line from A to D, and one from B to C, the lines will be perpendicular to each other." Is he correct? **No**

Prove it on the picture! **Children should draw the lines on the diagram to show that they do not meet at a right angle.**

2) Tick the correct statements:

- Line AC is parallel to line DF.
- Line DE is perpendicular to line EF.
- Line AB is perpendicular to line AC.
- Line AB is parallel to line EF.



1) This pentagon has no parallel lines. Can you explain, or show on the diagram, how you know?
If the lines were continued, they would all eventually meet each other. Children may choose to show this on the picture.

2) Draw a picture of a house which has at least three pairs of parallel lines and three pairs of perpendicular lines.
Multiple answers possible.