




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.

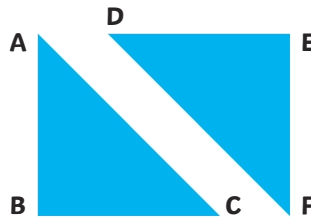
Which points should he join up to create a pair of parallel lines? **AB and CD or AC and BD**

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.**