

Y3 Horizontal Vertical Perpendicular Parallel

KS2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Is the edge of a table top horizontal or vertical?

Step 1 · Horizontal lines go straight across, like the horizon

A table top is flat and level

Step 2 · Its edges go straight across

Horizontal

Answer: Horizontal

Check: The table legs going straight up and down are vertical.

2. Now try one with the steps

Find a pair of parallel lines in the letter H.

Step 1 · Parallel lines stay the same distance apart and never meet

Step 2 · They both go straight up and down

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. A line that goes straight across, like the horizon, is called ____.

2. A line that goes straight up and down, like a flagpole, is called ____.

3. Lines that never meet and stay the same distance apart are ____.

4. Lines that meet at a right angle are ____.

5. Is a door's side edge horizontal or vertical when the door is shut?

6. Are the top and bottom edges of this page parallel or perpendicular?

7. Are the top edge and side edge of a page parallel or perpendicular?

8. How many pairs of parallel sides does a square have?

9. How many pairs of perpendicular sides does a square have?

10. In the capital letter L, are the two lines parallel or perpendicular?

11. In the capital letter E, how many horizontal lines are there?

12. Name a capital letter that has a pair of parallel lines.

13. Can a horizontal line be perpendicular to a vertical line? Write yes or no.

14. Two lines slope the same way and never meet, but neither is horizontal or vertical. Are they parallel? Write yes or no.

4. Before you hand it in

Thinking parallel lines must be the same length.

Parallel only means they go in exactly the same direction and never meet. Lengths can differ.

Thinking only horizontal or vertical lines can be parallel or perpendicular.

Turn the page: two sloping lines can be parallel, and two sloping lines meeting at a right angle are perpendicular.

Mixing up horizontal and vertical.

Horizontal is like the HORIZON (across). Vertical goes straight up and down, like a tall tower.

Calling any two crossing lines perpendicular.

Perpendicular lines meet at a RIGHT angle. Check with a paper corner.