

RECALL – HORIZONTAL AND VERTICAL



Horizontal line



← Vertical line



Complete the sentence with either "vertically" or "horizontally".

- A snail crawls _____.
- A sunflower grows _____.
- A car drives _____.
- The space shuttle launches _____.
- The child sleeps _____.
- At the waterfall, the water falls _____.
- The raindrops fall _____.
- The elevator moves _____.
- The bowling ball moves _____.

Can you think of your own examples?



LO: I CAN RECOGNISE TYPES OF LINES (HORIZONTAL/ VERTICAL)

Page

Success Criteria

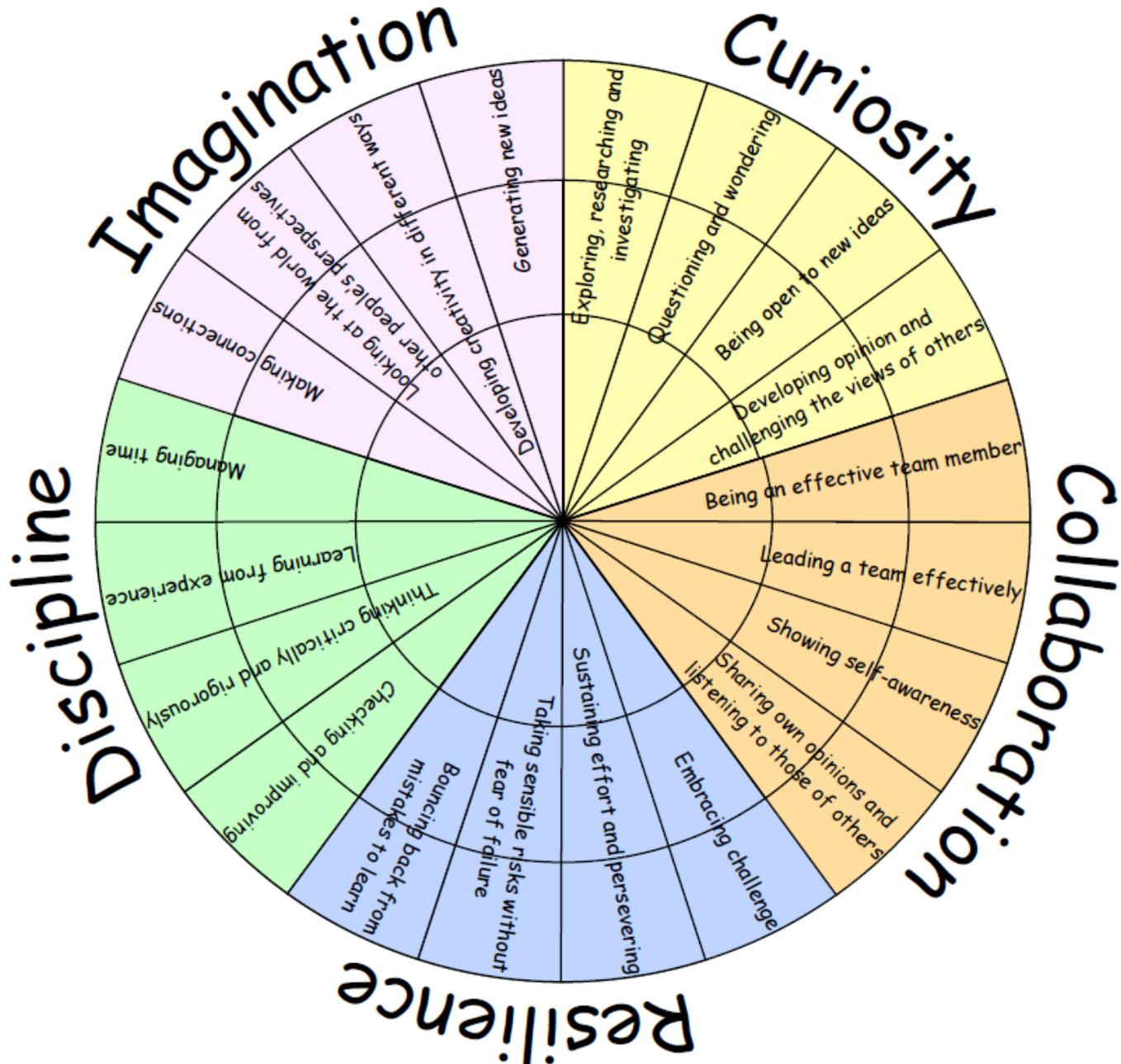
Some will even problem solve.

Some will identify diagonal lines.

Most will identify horizontal and vertical lines in shapes.

All will identify horizontal and vertical lines.

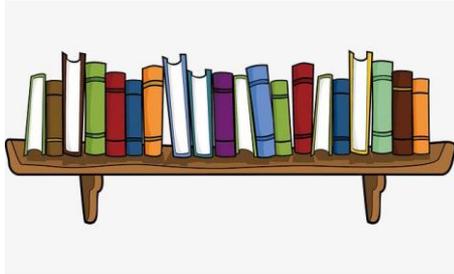
LEARNING HABITS?



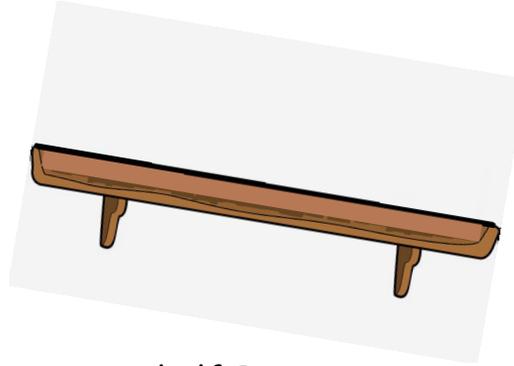
GUIDED PRACTICE

My dad puts two shelves up in my bedroom.
Shelf A is excellent and holds my books up perfectly.
Shelf B is awful and all my books fall off.

Why is this?



Shelf A



Shelf B



I know why! Shelf A is straight but Shelf B is not straight. One end is lower than the other end. The right side is lower than the left side, so all the books fall off to the right.

I know why! Shelf A is **horizontal** all the way along. That means it is in a straight line that is perfectly level from left to right.



I know why! Shelf B is not horizontal; it is higher one end. To fix Shelf B, the right side needs to be raised or the left side needs to be lowered.

3 BEFORE ME



Horizontal Line

Horizontal means a straight line that is perfectly level from left to right.



Vertical Line

Vertical means a straight line that is perfectly level from top to bottom.



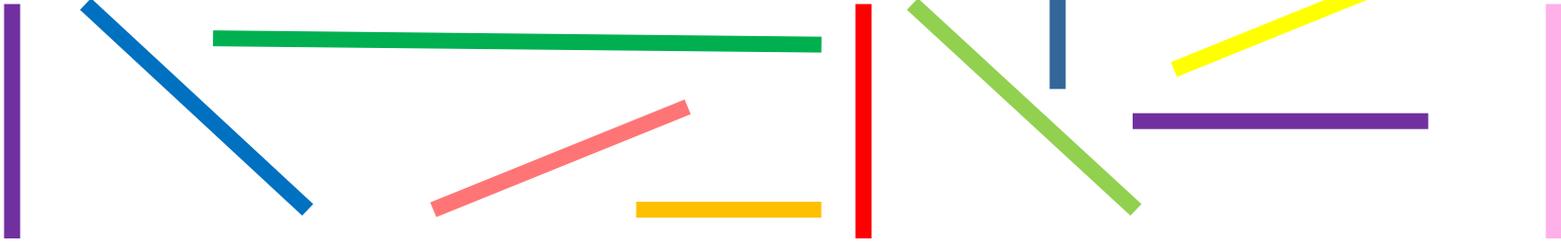
Sometimes straight lines are not horizontal or vertical, they can be diagonal.

INTELLIGENT PRACTICE

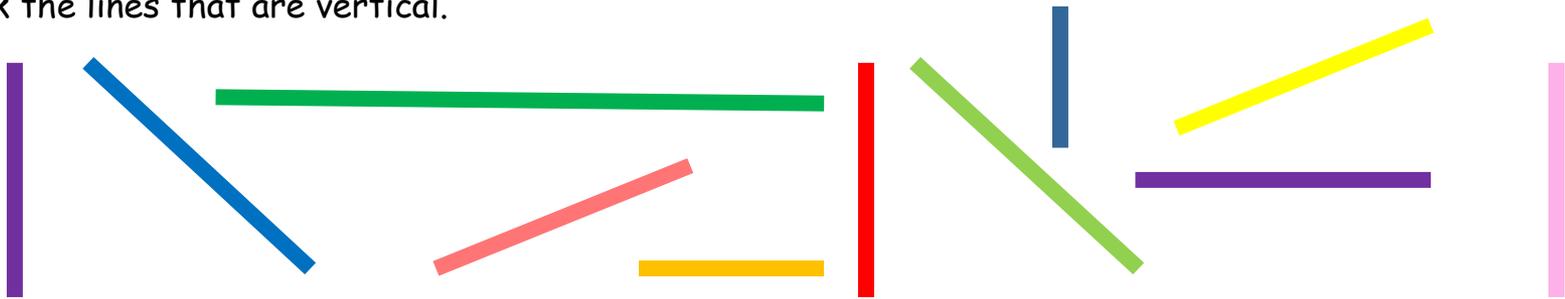
3 BEFORE ME



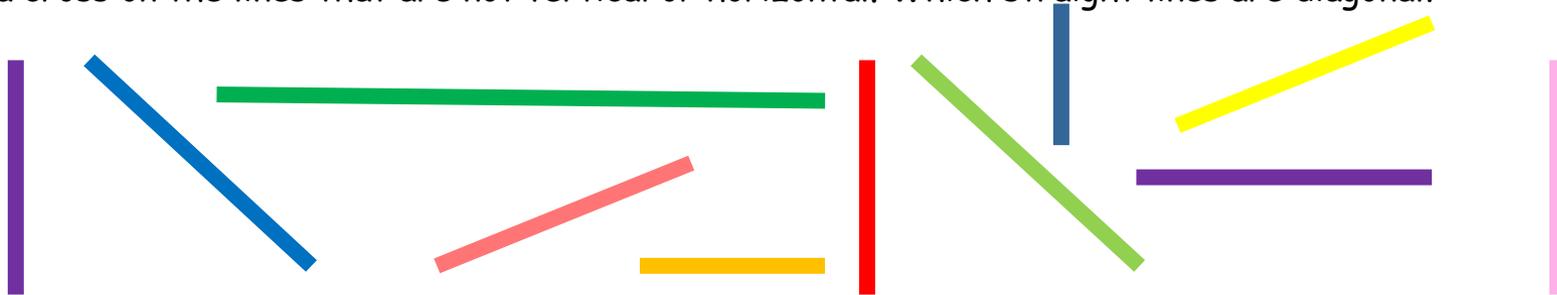
Circle the lines that are horizontal.



Tick the lines that are vertical.



Put a cross on the lines that are not vertical or horizontal. Which straight lines are diagonal?



Make a list of things that are vertical or horizontal that you can find in the classroom or outside environment.



DIVE DEEPER 1

1



A line that runs from left to right across the page is called a _____ line.



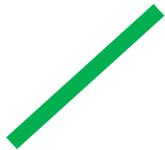
A line that runs straight up and down the page is called a _____ line.

2

Label lines A B C and D - are they **horizontal**, **vertical** or **neither**.



A



B



C



D

3

Draw 3 horizontal lines in box A.
Draw 3 vertical lines in box B.
Draw 3 diagonal lines in box C.

A	B	C

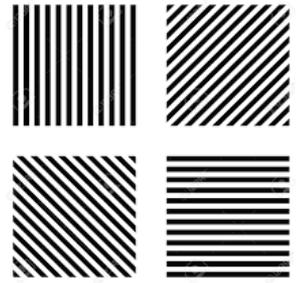
4

Here is a piece of art.

Colour horizontal lines **blue**.

Colour vertical lines **red**.

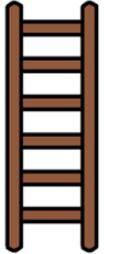
Colour diagonal lines **green**.



5

Look at this ladder.

How many vertical lines does it have?
How many horizontal lines does it have?
How many diagonal lines does it have?
How many lines altogether?



6

What shape is Grace thinking of?



I am thinking of a shape.
It has 2 horizontal lines and 2 vertical lines. They are all equal in length. It has no diagonal lines.

Draw her shape.

7

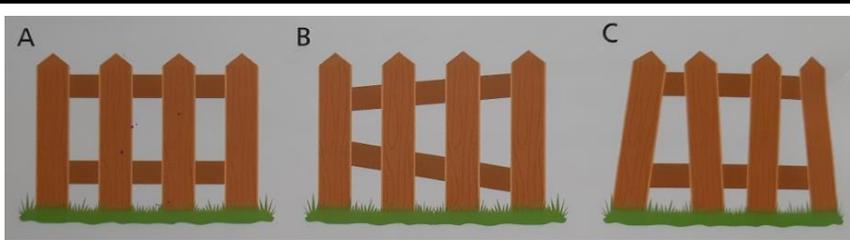
The red vertical line meets the blue horizontal line.

Where they connect, it makes a _____ angle.



DIVE DEEPER 2

1



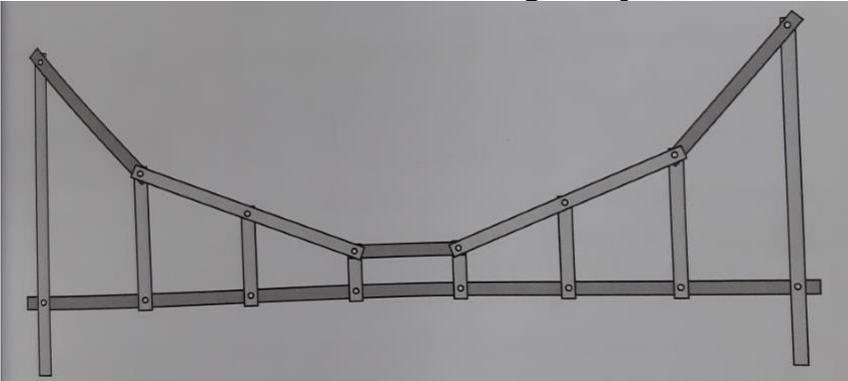
Fence A has 4 _____ lines and 2 _____ lines.

What is the same and what is different about these fences? Write your sentences in your book.

2

Count the number of vertical and horizontal lines in this picture of a bridge.

Treat the road level of the bridge as just one line.

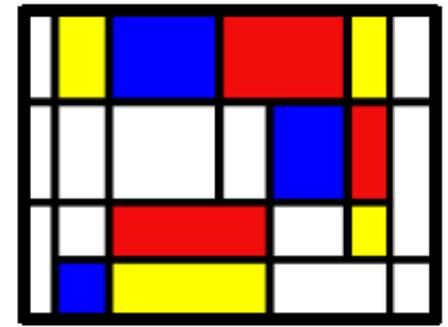


There are horizontal lines.

There are vertical lines.

3

How many horizontal and vertical lines can you spot in this picture by Mondrian?



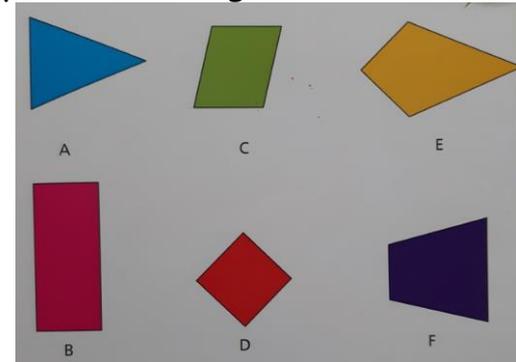
4

Jade used vertical and horizontal lines to show symmetry in shape. Can you spot her mistake?

Horizontal line of symmetry	Vertical line of symmetry	Both lines of symmetry

5

All of these shapes have at least 1 line of symmetry, draw it using vertical or horizontal lines.



Which shapes have more than 1 line of symmetry?