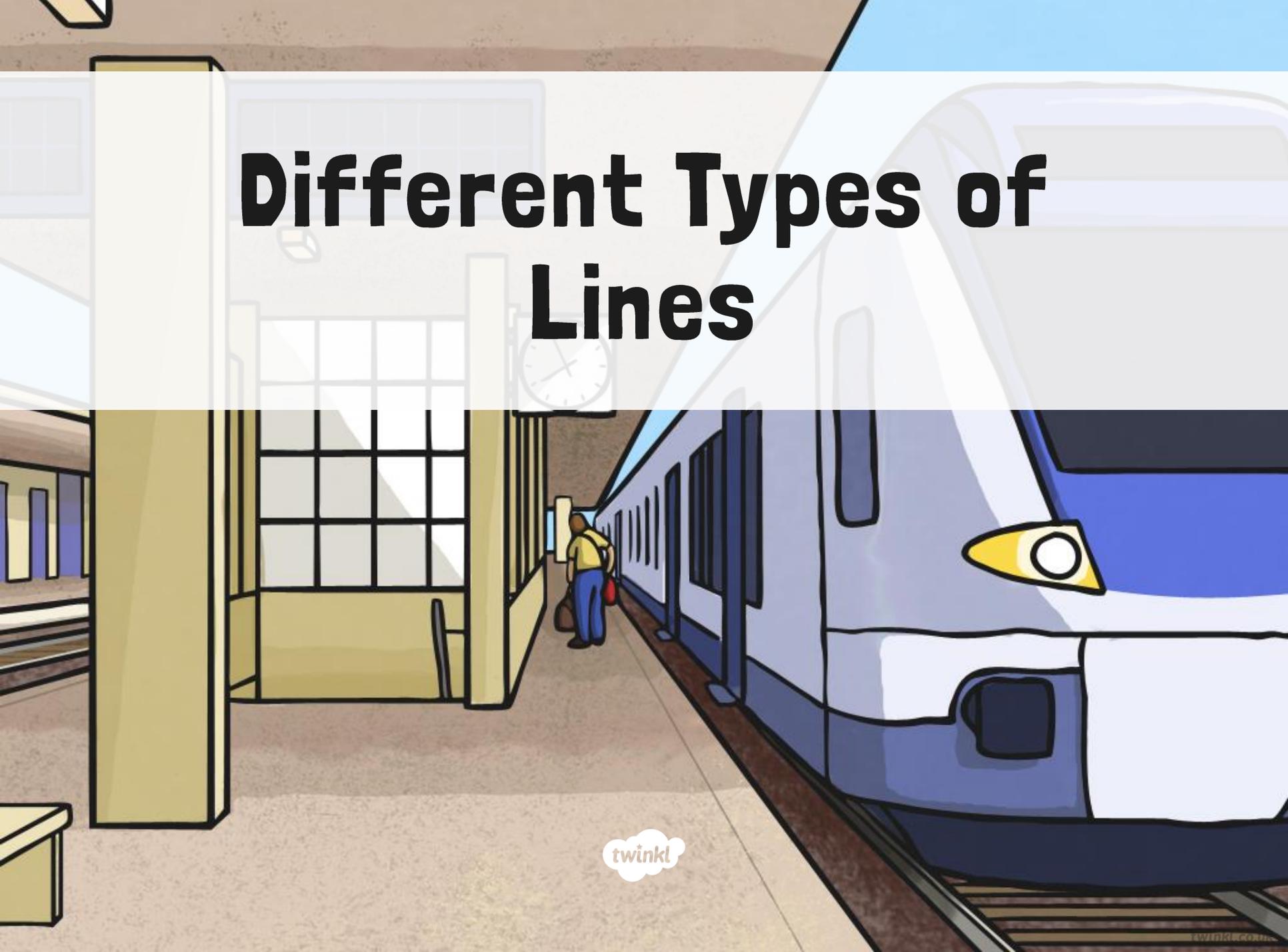


Different Types of Lines



Horizontal and Vertical

Mariam wants to come up with a way to remember whether lines are horizontal or vertical. Work with a partner to suggest some ideas.

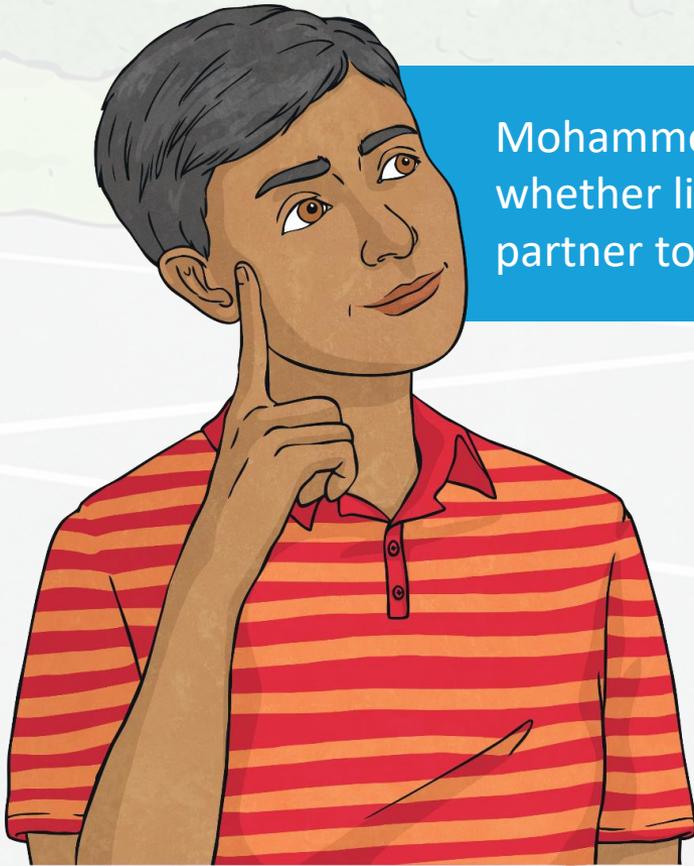
Here are some ideas:

V has near vertical lines, whereas H has a horizontal bar across.

The horizon is the line you can see when you look in the distance, which is usually horizontal.



Parallel and Perpendicular



Mohammed wants to come up with a way to remember whether lines are parallel or perpendicular. Work with a partner to suggest some ideas.

Here are some ideas:

Parallel has parallel l's in.

Perpendicular ends in an r for right angle.

Different Types of Lines

Parallel Lines

Parallel lines
never intersect.



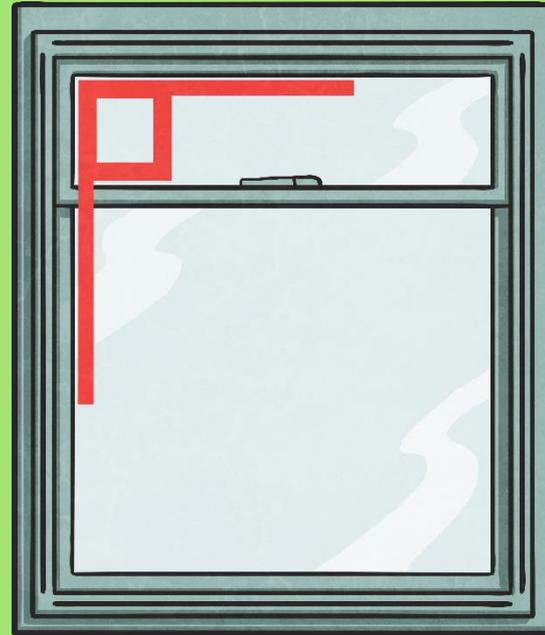
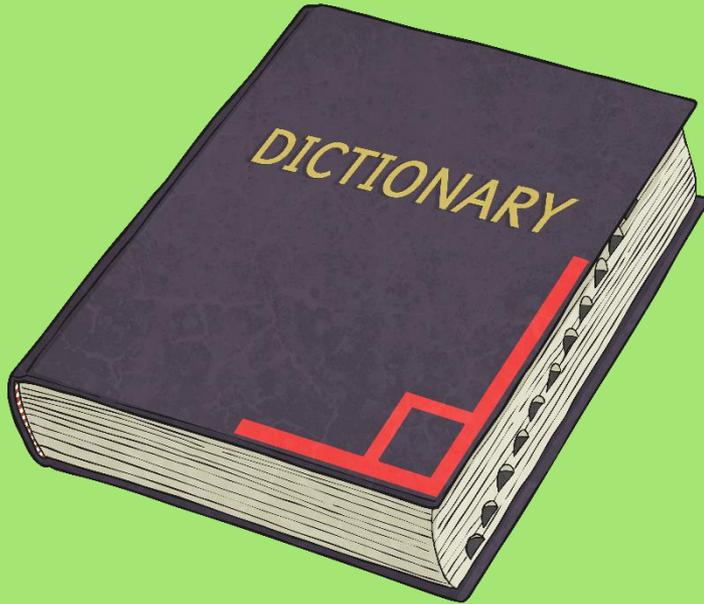
Parallel lines have
the same
slope.



Different Types of Lines

Perpendicular Lines

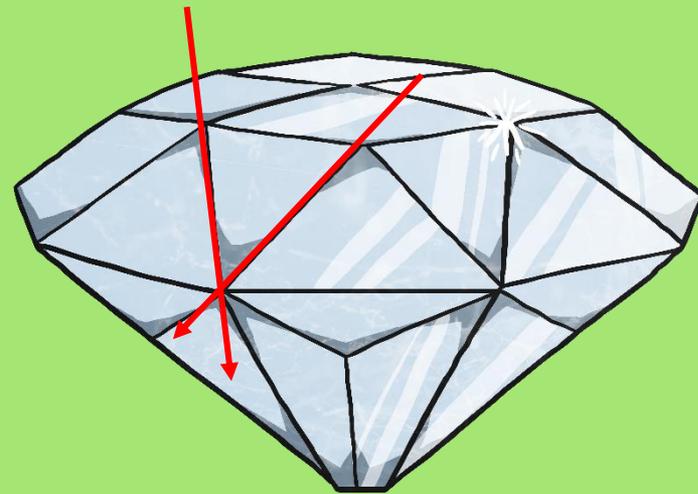
Perpendicular lines will form a right angle when they cross over.



Different Types of Lines

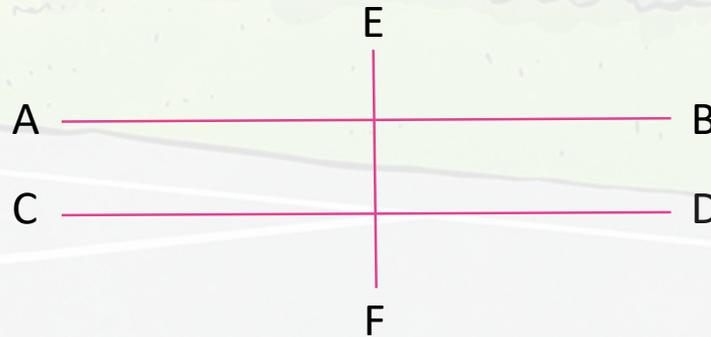
Neither

If lines intersect but don't form a right angle, they are neither perpendicular nor parallel.



Horizontal, Vertical, Parallel or Perpendicular

Ruby draws some lines. Can you use the terms horizontal, vertical, parallel or perpendicular to describe all the lines.



Show answers

AB and CD are horizontal and parallel to each other
EF is vertical and is perpendicular to AB and CD.

Draw your own set of lines for a partner to describe.



Lines in Our Environment



Can you see any vertical or horizontal lines in these pictures of our environment?



Lines in Our Environment



Can you see any vertical or horizontal lines in these pictures of our environment?



Lines in Our Environment



Can you see any vertical or horizontal lines in these pictures of our environment?

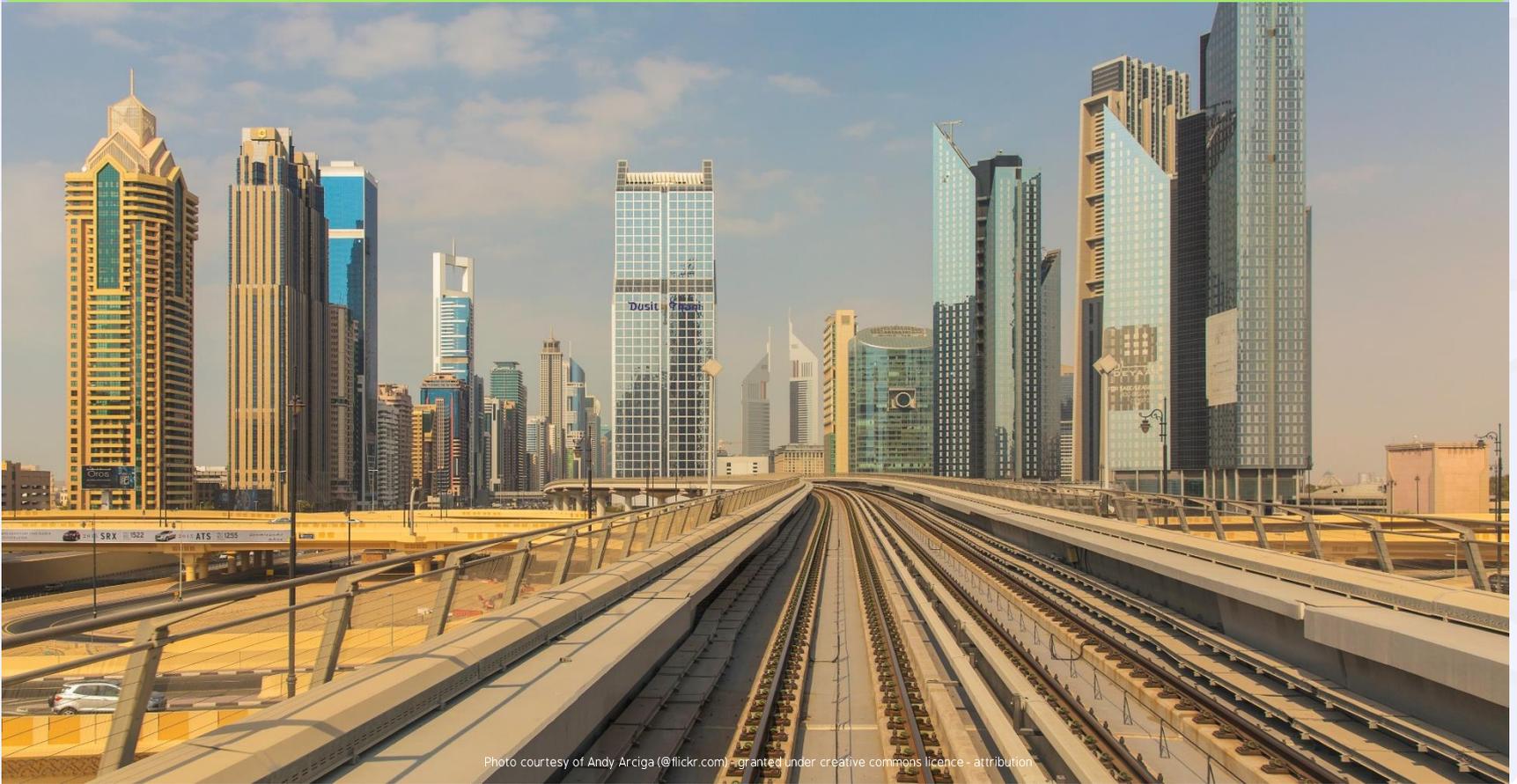


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Lines in Our Environment



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Lines in 2D Shapes



How many pairs of **parallel lines** can you see in each shape?
How many pairs of **perpendicular lines** can you see in each shape?

