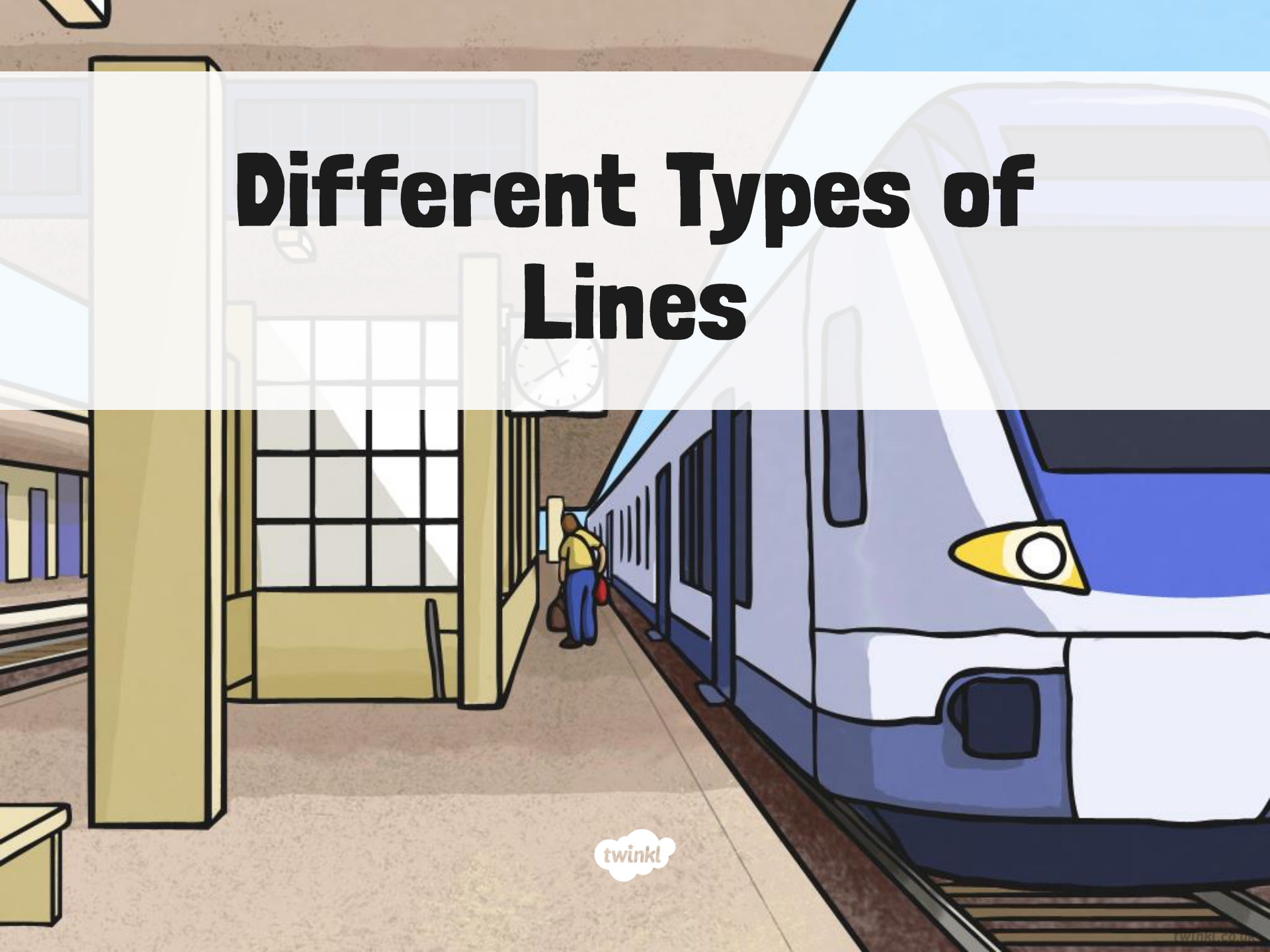




Maths

Properties of Shapes

Different Types of Lines



Aim

- I can name and describe different types of line.

Success Criteria

- I can name and describe horizontal and vertical lines.
- I can name and describe parallel and perpendicular lines.
- I can sort shapes and objects based on the property of lines.

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



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Lines in Our Environment



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Different Types of Lines

Parallel Lines

Parallel lines
never intersect.



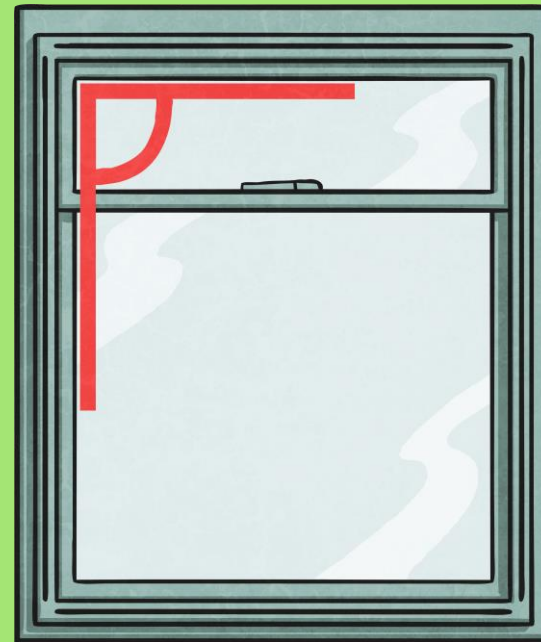
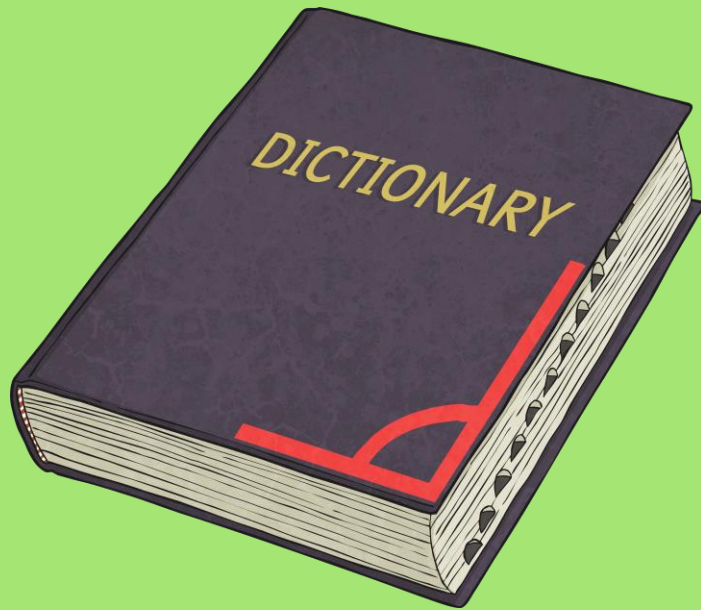
Parallel lines
have the
same slope.



Different Types of Lines

Perpendicular Lines

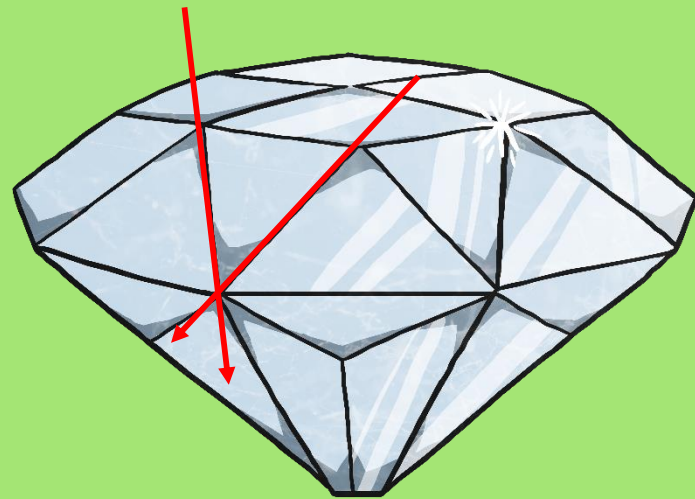
Perpendicular lines will form a right angle when they cross over.



Different Types of Lines

Neither

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



Lines Snap



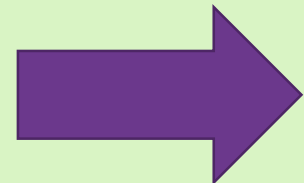
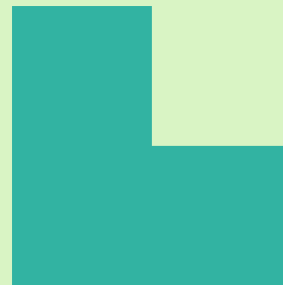
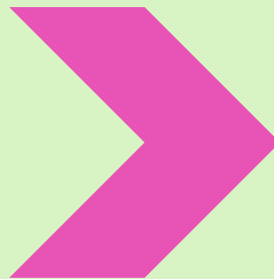
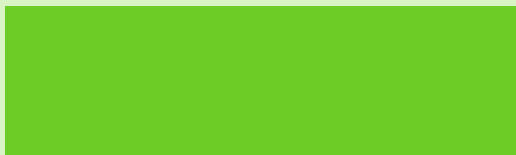
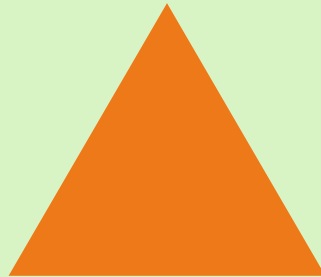
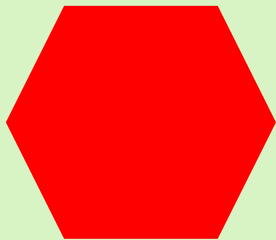
Use the cards showing objects with different types of lines. Play snap with your partner. You can only win the snap cards if you can identify a type of line in the photo.



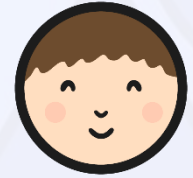
Lines in 2D Shapes



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



Letter Sort



Letter Sort

Sort the capital letters into the correct place on the Venn diagram.

Has horizontal lines

Has vertical lines

Has parallel lines

A	B	C	D	E	F
N	O	P	Q	R	S

Letter Sort

Sort the capital letters into the correct place on the Venn diagram.

Has horizontal lines

Has perpendicular lines

Has parallel lines

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Letter Sort

Sort the capital letters into the correct place on the Venn diagram.

Has vertical lines

G	H	I	J	K	L	M
T	U	V	W	X	Y	Z



Lines Memory Pairs



Use the cards showing objects with different types of lines. Play memory pairs with your partner. You can only win the pair if you can identify a type of line in the photo.



Aim



- I can name and describe different types of line.

Success Criteria

- I can name and describe horizontal and vertical lines.
- I can name and describe parallel and perpendicular lines.
- I can sort shapes and objects based on the property of lines.

