



Woodpeckers Year 1

Summer 1 2021

Maths

Geometry—Position and Direction

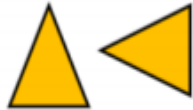
Describing Turns

A turn is when you move a shape in a specific direction. We can turn a shape in many different ways. You will see a quarter turn and three quarter turn can be completed in two different directions. Whatever direction you complete a half or full turn it will face the same way.

Investigate: With a partner practise these different turns!

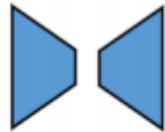
We might be given a shape which has turned and we have to work out how to describe the turn it has had.

For example:



Before After

This shape has turned a quarter turn.



Before After

This shape has turned a half turn.

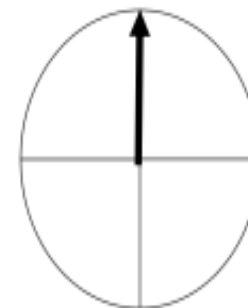


Before After

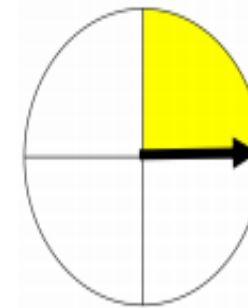
This shape has turned a full turn.

Curriculum Objectives

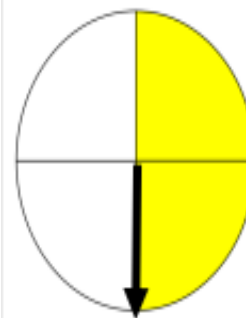
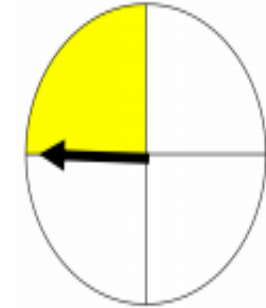
Describe position, direction and movement, including half, quarter and three-quarter turns.



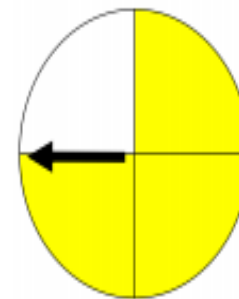
Start



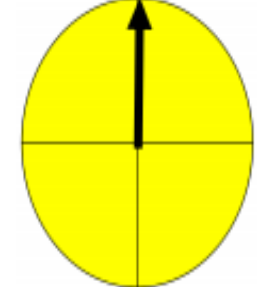
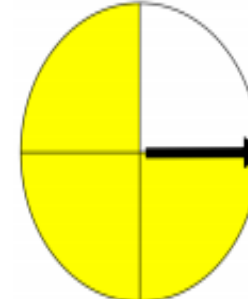
Quarter Turn



Half Turn



Three Quarter Turn



Full Turn



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Describe Positions

We can use the following words to help describe the direction in which something must move.

They are: left, right, forwards and backwards.

We can use these instructions for ourselves or to help direction other objects.

Top Tip: If you don't know your left and right then remember this rule!



Left and Right

The hand that makes an L shape is the **left hand**.

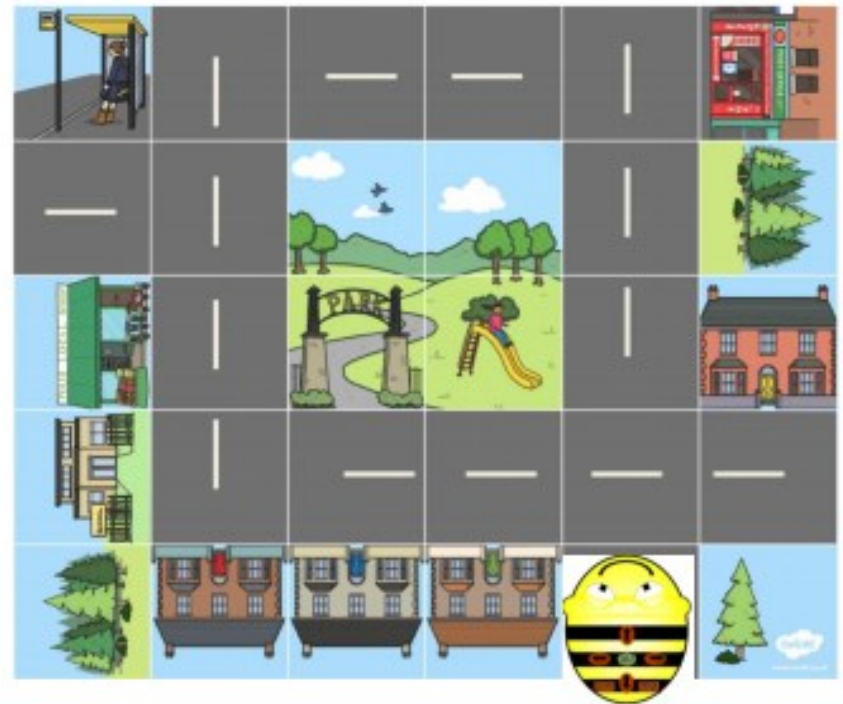
We can use a lot of prepositional language to describe positions such as: **left, right, in-between, next to, above, below.**

For example:

The pound coin is **next to** the 2p coin.

The 10p coin is **below** the 2p coin.

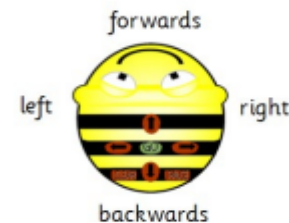
The 5p is to the **right** of the 2p coin.



Could you direct the Bee-bot around the grid?

For example:

To reach the park the Bee-bot could travel: forwards, left, forwards, forwards, right, forwards.



You must make sure your Bee-Bot is facing the same way as the instructions.