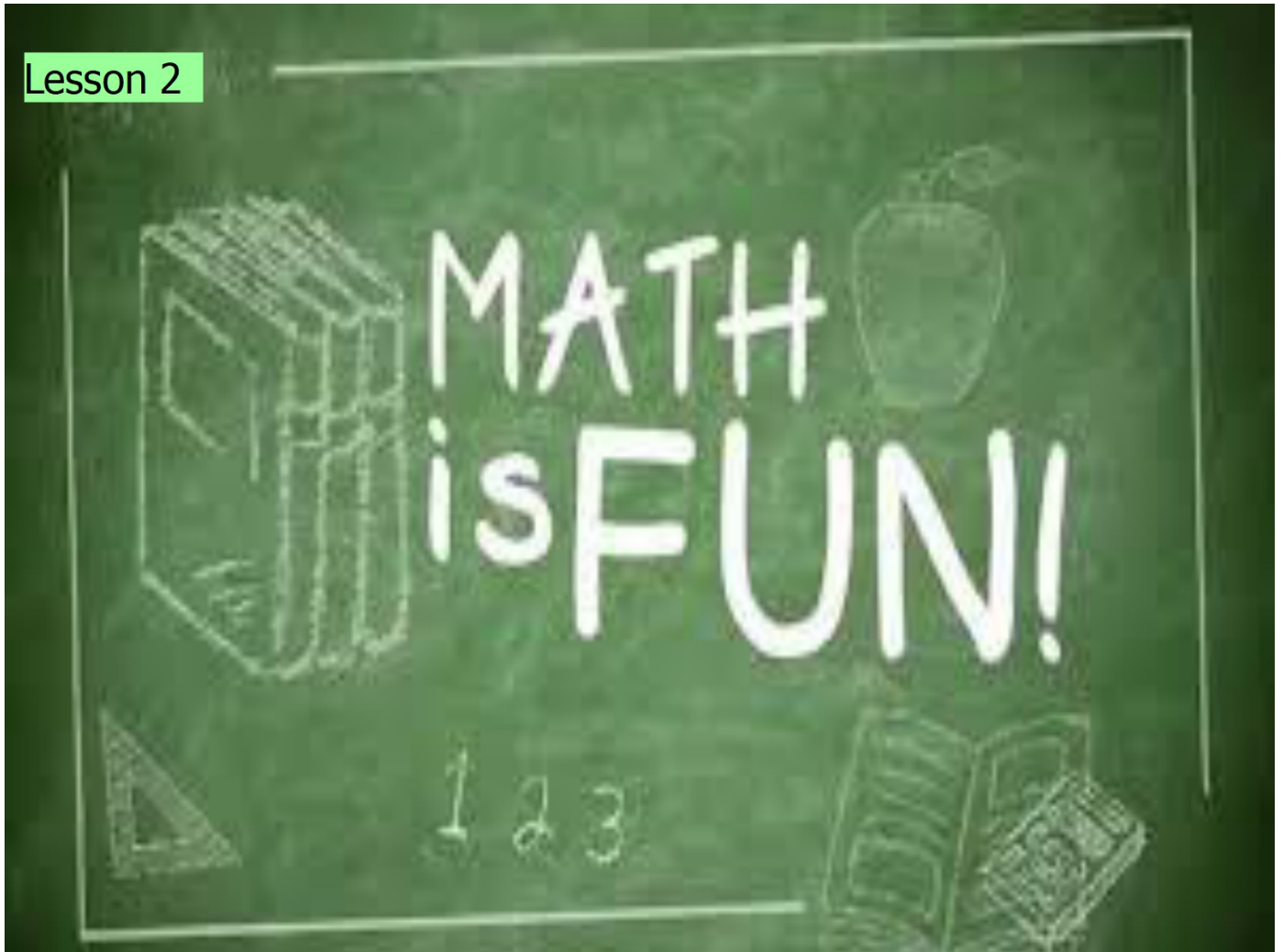


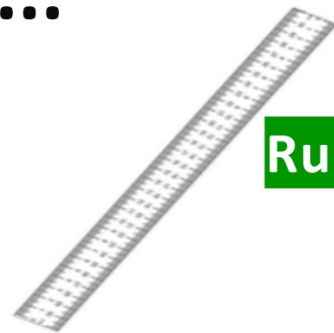
Lesson 2



You will need...



Pencil



Ruler



Paper



12.01.2021

LI: To recognise angles as a description of a turn. (half turn, three quarters turn, 360°).

Success Criteria

I can describe angles as turns

I can describe turns as angles

I can describe rotations using clockwise and anticlockwise

I can describe position after more than one rotation

Key vocabulary

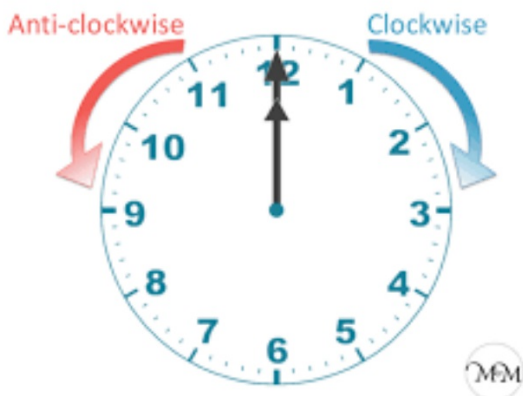
Angle- When two lines meet at a shared point.

Direction- The line which something moves, lies or points.



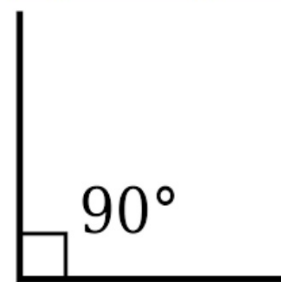
Degrees- An angle is formed when two lines meet at a shared point. They are measured in degrees which are represented by the symbol $^{\circ}$

Anti-clockwise



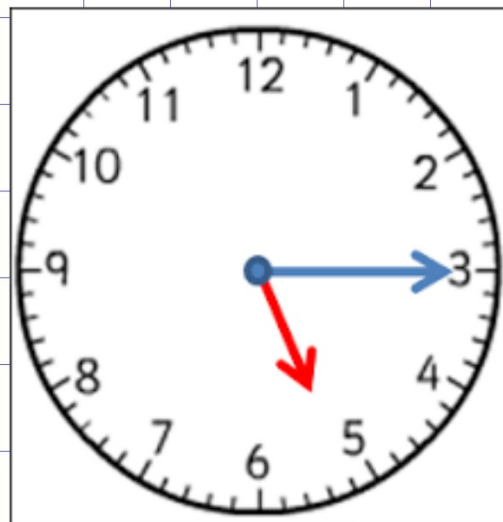
Clockwise

Right angle



Starter:

How many quarter turns (15 minutes) are there in an hour?



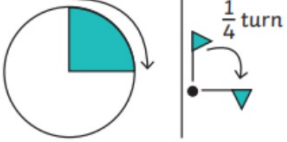

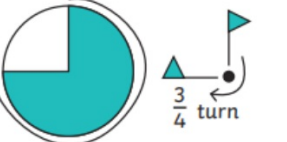
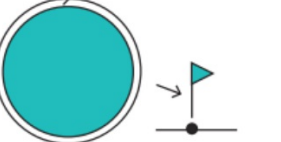
Properties of Shapes Recognising Turns

A turn is to rotate about a point.

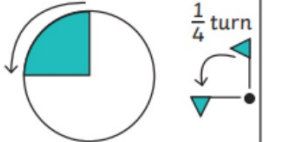
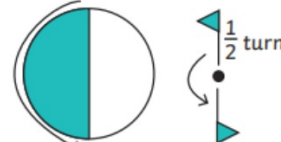
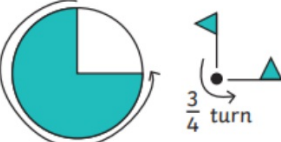
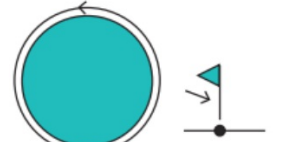
A turn can be described as a quarter-turn, half-turn, three-quarter turn or a complete turn.

A turn can be completed clockwise and anticlockwise.

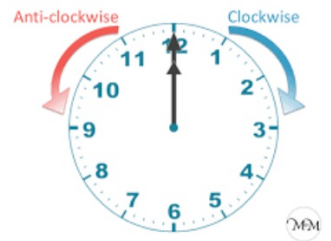
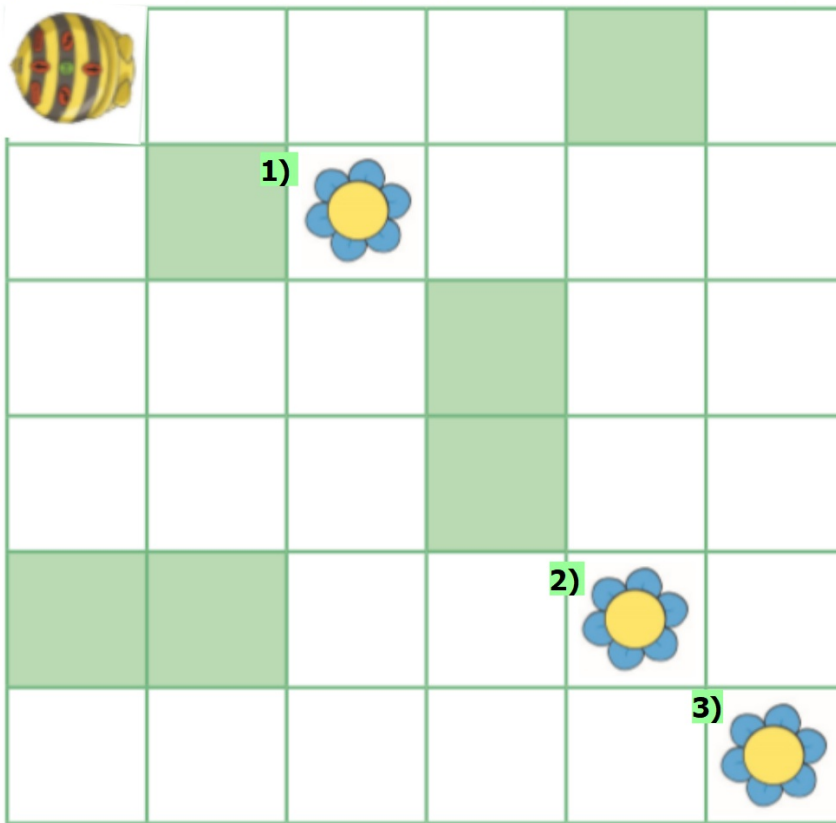
Clockwise

 <p>1 right angle quarter-turn clockwise 90°</p>	 <p>2 right angles half-turn clockwise 180°</p>
 <p>3 right angles three-quarter turn clockwise 270°</p>	 <p>4 right angles complete turn clockwise 360°</p>

Anticlockwise

 <p>1 right angle quarter-turn anticlockwise 90°</p>	 <p>2 right angles half-turn anticlockwise 180°</p>
 <p>3 right angles three-quarter turn anticlockwise 270°</p>	 <p>4 right angles complete turn anticlockwise 360°</p>

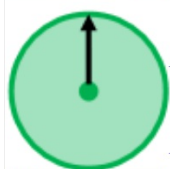
Model: The Beebot needs to touch all flowers while avoiding green squares.



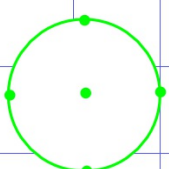
12.01.2020

LI: To recognise angles as a description of a turn.
(half turn, three quarters turn, 360°).

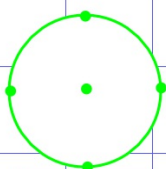
Check it: Draw where the arrow will be pointing using a ruler.



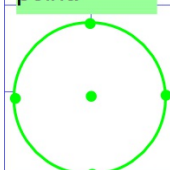
Starting point.



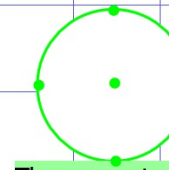
Half turn.



Quarter turn.



Full turn.



Three quarter turn.

Think it:

1. How many right angles in a half turn?
2. How many turns would you need to take to make 4 right angles?
3. 1 quarter turn + 1 half turn =

SC:

I can describe angles as turns

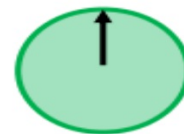
I can describe turns as angles

I can describe rotations using clockwise and anticlockwise

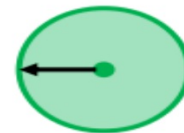
I can describe position after more than one rotation

Master it:

The arrow on a spinner started in this position.



After making a turn it ended in this position.



Jack says,



The arrow has moved a quarter turn anti-clockwise.

Alex says,



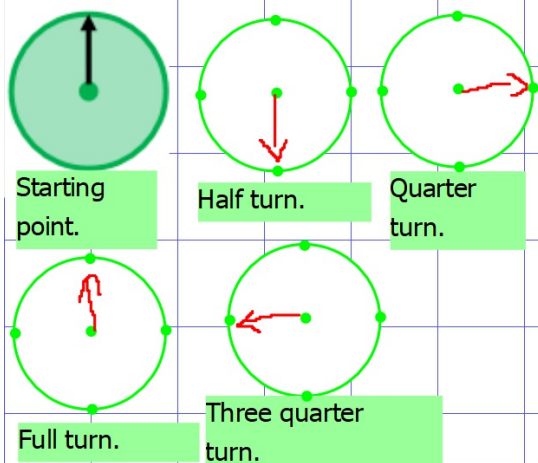
The arrow has moved a three-quarter turn clockwise.

Who do you agree with?

12.01.2020

LI: To recognise angles as a description of a turn. (half turn, three quarters turn, 360°).

Check it: Draw where the arrow will be pointing using a ruler.



Think it:

1. How many right angles in a half turn? **2 Right Angles**
2. How many turns would you need to take to make 4 right angles? **Full turn**
3. 1 quarter turn + 1 half turn = **Three quarter turn**

SC:

SA

I can describe angles as turns

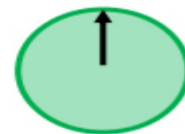
I can describe turns as angles

I can describe rotations using clockwise and anticlockwise

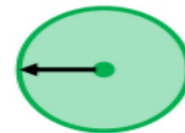
I can describe position after more than one rotation

Master it:

The arrow on a spinner started in this position.



After making a turn it ended in this position.



Jack says,



The arrow has moved a quarter turn anti-clockwise.

Alex says,



The arrow has moved a three-quarter turn clockwise.

Who do you agree with?