Home Learning - Year 2

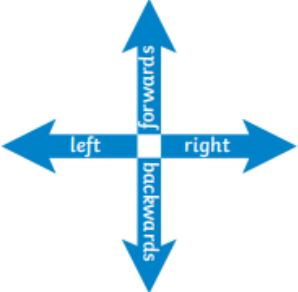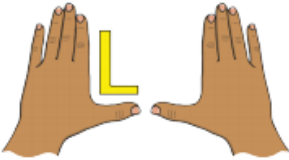| This Week's Maths Tasks	WC – 29th June 2020

Mental Maths

- **5 minutes each day on Times Tables Rockstars**. Remember to complete a Studio activity once each week.

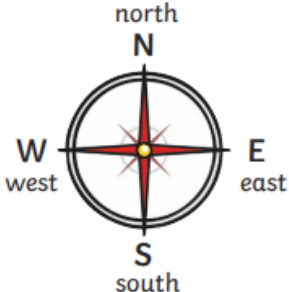**Activity 1 and Activity 2 – Describing Position and Movement**

- Watch the BBC video clip on describing position (here). Write down a list of useful words for describing position.
- Read the information on describing turns from BBC Bitesize (here).
- Complete the Maths worksheet for **Activity 1** then **Activity 2**.
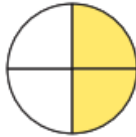
Describing Straight-Line Movement

upwards
forwards
left right
backwards

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

north
N
W west — E east
S
south

Describing Turns

quarter turn

half turn

three-quarter turn

full turn

clockwise
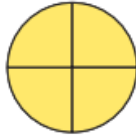
anticlockwise

If the turn is in the same direction as the hands of a clock, it is **clockwise**.

If the turn is in the opposite direction to the hands of a clock, it is **anticlockwise**.

Here are some useful, extra videos to help with describing movement and turns:

https://vimeo.com/430109300

https://vimeo.com/430109458

https://vimeo.com/430109634

Activity 3 – Describing patterns
- How many words can you remember that can be used to describe where something is (its position) or the direction it moves in (e.g. turns).
- Use these words when completing the Maths worksheet for **Activity 3**.

Activity 4 – Problem solving – Position and Movement

- Complete the Maths worksheet for **Activity 4**.
  Make sure that you read the questions really carefully and remember that there might be more than one answer to each question.
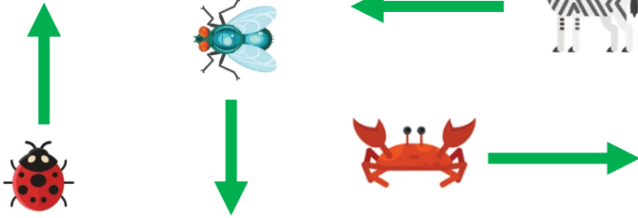

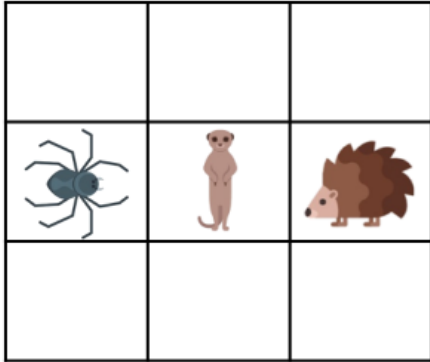**Useful Links and Videos**
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Year 2 Maths
w/c 29.06.20
Activity 1— Describing movement

Practise

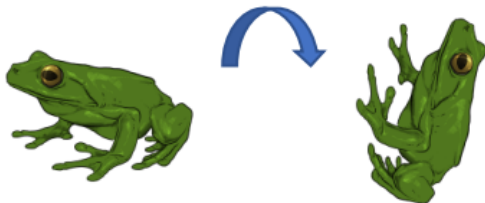**1.** In which direction is each creature moving?

2. True or false? The hedgehog is to the right of the meerkat.

3. True or false?

The frog has made a quarter turn anti-clockwise.

4. Describe how the triangle has moved.

This triangle has made a _____ turn.

Reasoning

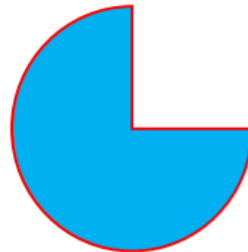**5.** A triangle has been turned.

Asha says,

The shape has made a three-quarter turn anti-clockwise.
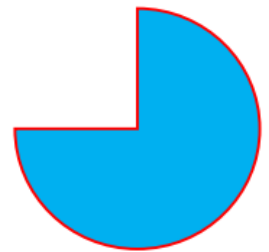
Is Asha correct? Explain why.

Problem Solving

6. How many different ways could Shape A have turned to get to the position of Shape B?
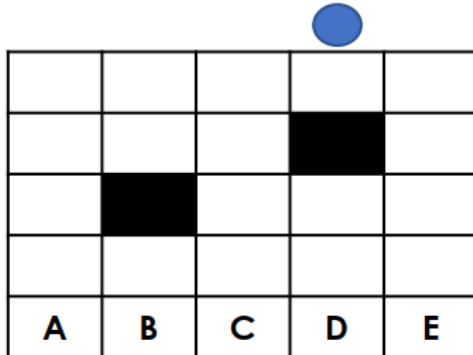
Shape A   Shape B
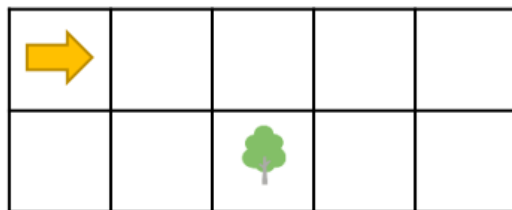
Year 2 Maths
## w/c 29.06.20
Activity 2—Describing movement

1. Fill in the blanks to reach the letter B. The counter moves down 1. Left 1. Down ___ times. Left 1. _____ 1.

|				
			■	
	■			
A	B	C	D	E

2. Move 2 steps forward. How many quarter turns anti-clockwise to face the tree?

3. Jason and Katie face the directions shown below. Jason makes one anti-clockwise quarter turn. How many clockwise quarter turns will Katie need to make to face the same direction as Jason?

J   K
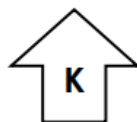
4. True or false? The caterpillar will be at the leaf if he turns 1 three-quarter turn clockwise. Moves forward 1. Turns 1 half turn left. Moves forward 2.
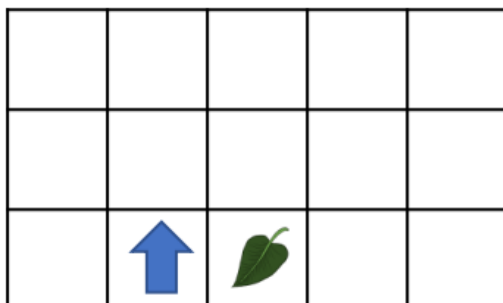
Reasoning

5. Peter and Noah are lost in the maze, facing the direction of the arrow. Peter thinks that they can get out if they move left 2 and back 2. Noah thinks they can get out if they walk forward 1, make 1 anti-clockwise quarter turn and walk forward 3. Who is correct? Give reasons for your answer.
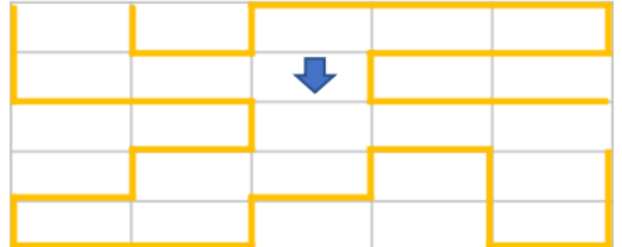
Problem Solving

6. The caterpillar is trying to find his leaf. He wants to find it in no more than 5 movements. Describe the route he could take, including the turns that he makes.
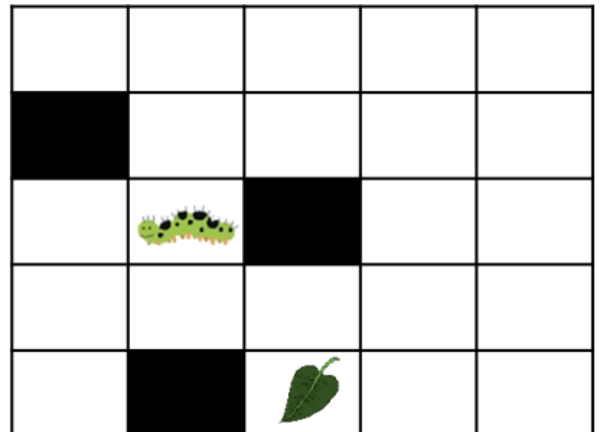
Year 2 Maths
w/c 29.06.20
Activity 3—Making patterns

Practise

1. Draw the missing shapes in this pattern.

2. What will the next two shapes in this pattern be?

3. Fill in the blanks to describe the pattern.

Turn the shape a _____ turn in a _____ direction each time.

4. What will the next three shapes in this pattern be?

Reasoning

5. Which shape in this pattern is incorrect?

| 1 | 2 | 3 | 4 | 5 | 6 |

How do you know?

Problem Solving

6. What patterns could be made using the shapes below?

Include at least one turn in either a clockwise or an anti-clockwise direction.

1. Kenny the kangaroo is facing west. He makes 6 turns.

North

West   East

South
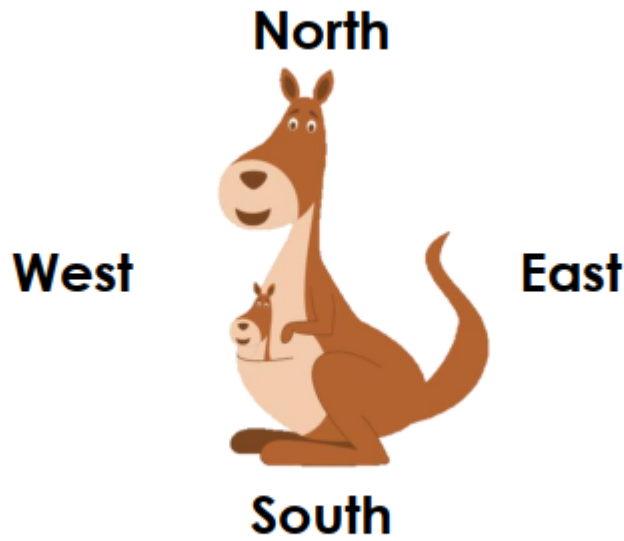
Which way could he be facing after the 6 turns? What turns did he make to get there?

2. Using the shape below, create three different patterns.

Describe your patterns using the word bank below.

| quarter turn | half turn | three-quarter turn | clockwise | anti-clockwise |

Year 2 Maths
w/c 01.06.20
Activity 2—Measuring m

1.

2.

3.

4.

5.

6.