

Canonbury Home Learning

Year 2 Maths

Steppingstone activity

Lesson 4 – 07.05.2020

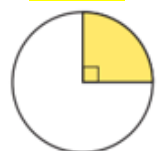
LO: To describe position, direction and movement, including whole, half, quarter and three-quarter turns

Success Criteria:



1. Look at the model example
2. Read the questions
3. Look at the pictures **carefully**
4. Answer the questions in your book (**TIP: It may help you to answer if you turn the page a quarter, half, or three quarter turn depending on the instruction**)

Model:



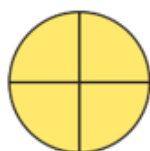
quarter turn



half turn



three-quarter turn



full turn

1. Look at the pencils below. How have they moved?

Before	After	Turn

Write the correct turn for each pencil.

2. Look at the insects below. How have they moved?

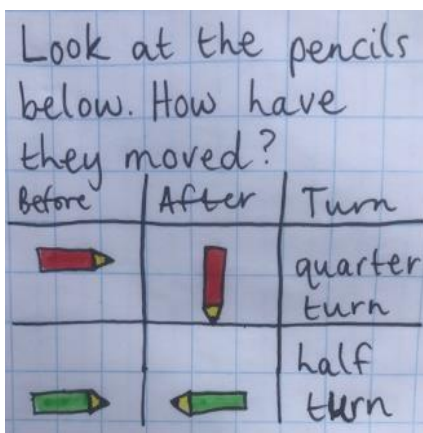
Before	After	Turn

Write the correct turn for each insect.

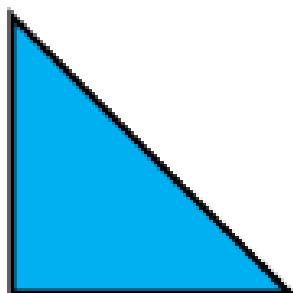
3. Look at the insects below. How have they moved?

Before	After	Turn

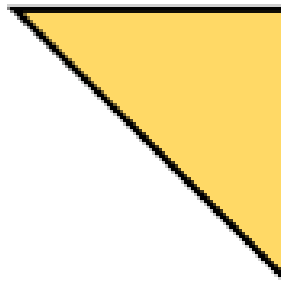
Write the correct turn for each insect.



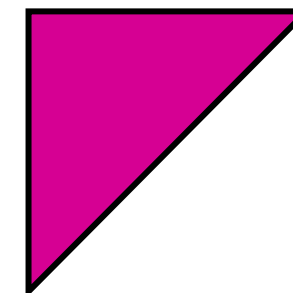
4. Draw this shape after a **quarter turn**.



5. Draw this shape after a **half turn**.



6. Draw this shape after a **three quarter turn**.



Lesson 4 – 06.05.2020

LO: To use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)

Task:

You are going to be **describing and creating patterns that involve direction and turns**

Success Criteria:

- | |
|---|
| 1. Read the key questions and mathematical vocabulary |
| 2. Look carefully at the image, thinking carefully about what types of movement and turns you will need to complete the patterns correctly |
| 3. Complete the patterns in your book |
| 4. Challenge: Describe the movements of the shapes in your patterns |

Model:

1.

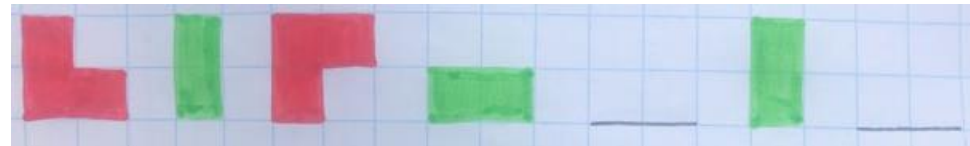
Questions to consider:

- What is happening in the pattern?
- What would the next shape look like?
- How would you describe its position?
- How can we work out the missing shape?

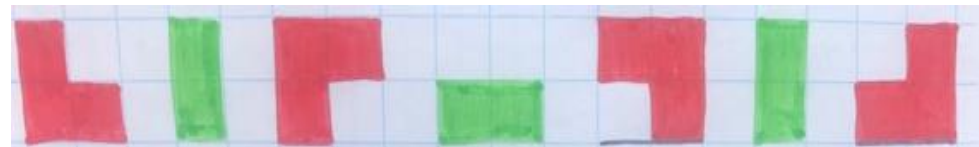
Mathematical vocabulary to use:

- clockwise
- anti-clockwise
- quarter turn
- half turn
- three quarter turn
- whole turn

2.

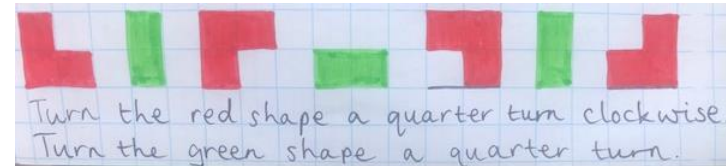










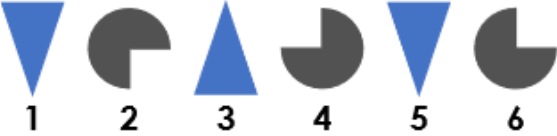


3.



4.

Turn the red shape a quarter turn clockwise.
Turn the green shape a quarter turn.



Task 1	Task 2	Task 3	Task 4
<p>Practice Draw the missing shapes in these patterns.</p> <p>1. </p> <p>2. </p> <p>3. </p> <p>4. </p>	<p>Practice Fill in the blanks to describe the patterns.</p> <p>1. Turn the shape a _____ turn in a _____ direction each time. </p> <p>2. Turn the shape a _____ turn in a _____ direction each time. </p> <p>3. Turn the shape a _____ turn in a _____ direction each time. </p>	<p>Reasoning Explain your answers.</p> <p>4a. Which shape in this pattern is incorrect? </p> <p>How do you know?</p> <p>4b. Which shape in this pattern is incorrect? </p> <p>How do you know?</p>	<p>Problem solving</p> <p>6a. What patterns could be made using the shapes below? </p> <p>Include at least one turn in either a clockwise or an anti-clockwise direction.</p> <p>6b. What patterns could be made using the shapes below? </p> <p>Include at least one turn in either a clockwise or an anti-clockwise direction.</p>