

Canonbury Home Learning

Year 2 Maths

Steppingstone activity

Lesson 4 – 07.05.2020

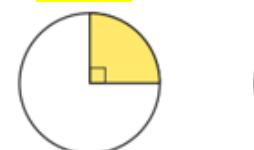
LO: To describe position, direction and movement, including whole, half, quarter and three-quarter turns

Success Criteria:

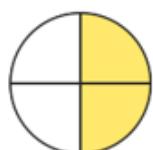


1. Look at the model example
2. Read the questions
3. Look at the pictures **carefully**
4. Answer the questions in your book (**TIP:** It may help you to answer if you turn the page a quarter, half, or three quarter turn depending on the instruction)

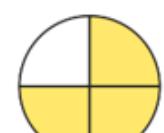
Model:



quarter turn



half turn



three-quarter turn



full turn

Look at the pencils below. How have they moved?

| Before | After | Turn |
|--------|-------|--------------|
| | | quarter turn |
| | | half turn |

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

| Before | After | Turn |
|--------|-------|------|
| | | |
| | | |

Write the correct turn for each pencil.

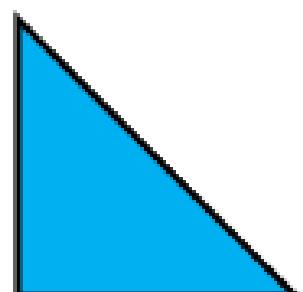
| Before | After | Turn |
|--------|-------|------|
| | | |
| | | |

Write the correct turn for each insect.

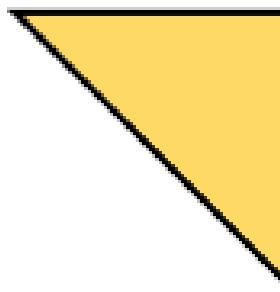
| Before | After | Turn |
|--------|-------|------|
| | | |
| | | |

Write the correct turn for each insect.

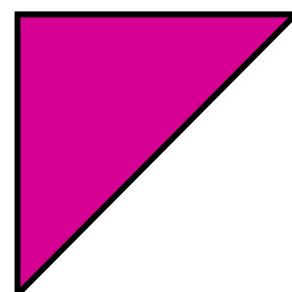
4. Draw this shape after a **quarter turn**.



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



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



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?

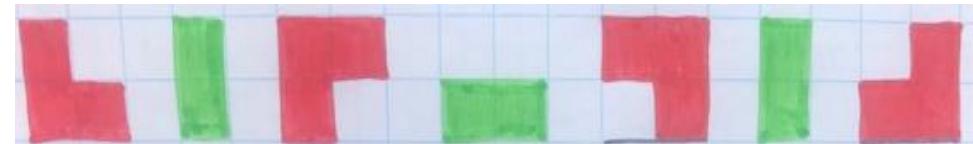
Mathematical vocabulary to use:

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

2.

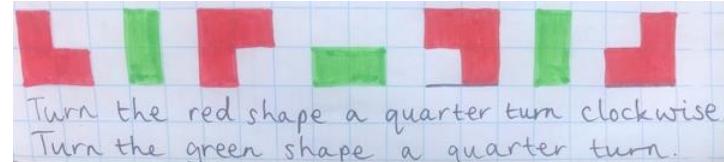


3.



4.

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

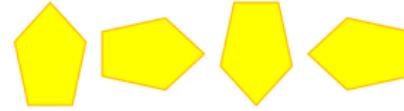


Turn the red shape a quarter turn clockwise.
Turn the green shape a quarter turn.

Canonbury Home Learning

Year 2 Maths
Main activity

Complete at least 2 columns, more if you can!

| 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>4. 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> 1 2 3 4 5 6</p> <p>How do you know?</p> <p>4b. Which shape in this pattern is incorrect?</p> <p> 1 2 3 4 5 6</p> <p>How do you know?</p> | <p>Problem solving</p> <p>6a. What patterns could be made using the shapes below?</p> <p> </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> </p> <p>Include at least one turn in either a clockwise or an anti-clockwise direction.</p> |