

**What should I already know?**

- Describe direction and movement, including whole, half, quarter and three-quarter turns.
- Describe direction using forward, backward, left and right.
- Describe position, including top, middle, above, below, in front of, behind.
- Use ordinal numbers to describe position – first, second, last etc.

**Key Vocabulary and definitions**

<b>Turn</b>	Move in a circular direction partly or wholly around a point.
<b>Position</b>	A place where someone or something is located.
<b>Rotate</b>	Move in a circle around a point.
<b>Sequence</b>	A set of related movements that follow each other in a particular order.
<b>Pattern</b>	A list of numbers or shapes which are arranged following a given rule.
<b>Right Angle</b>	An angle formed by a quarter turn.

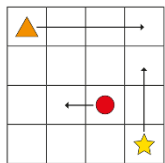
**Key Knowledge**

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).

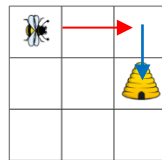
**Describe position:**

Recap and build on Year 1 learning using the vocabulary: *above, below, in front of, between, left, right, top, middle, bottom.*

**Describe movement:**



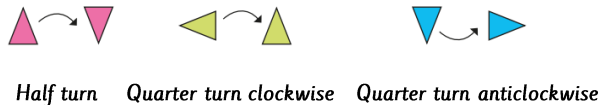
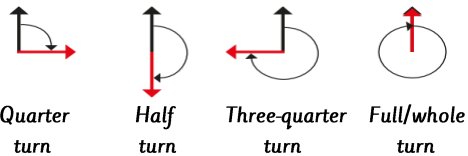
The **orange triangle** moves 3 squares to the **right**.  
 The **red circle** moves 1 square to the **left**.  
 The **yellow star** moves 2 squares **up**.



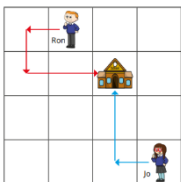
Move 2 squares **forward**.  
 Turn **right**.  
 Move 1 square **forward**.

**Describe turns:**

From different starting points.

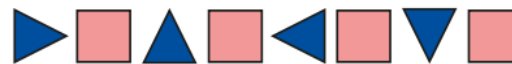


**Describe movement and turns:**



Jo moves 1 step **forward**.  
 Turns a **quarter turn clockwise**.  
 Moves 2 steps **forwards**.

**Shape patterns with turns:**



The next shape in the pattern will be

The triangle makes a **quarter turn**.

**Clockwise**

**Anticlockwise**

Link turns to compass points.

**Stem Sentences:**

The \_\_\_\_\_ has moved \_\_\_\_\_ squares up/down/left right/forwards/backwards.

The \_\_\_\_\_ has turned a \_\_\_\_\_ turn \_\_\_\_\_.

When I make a half/full/quarter/three-quarter turn, I will be facing \_\_\_\_\_.

First, I move \_\_\_\_\_ squares forward.

Then I turn \_\_\_\_\_.

Then I move \_\_\_\_\_ squares forward.

In this pattern, the shape turns a \_\_\_\_\_ turn \_\_\_\_\_.

The next shape is \_\_\_\_\_ because...