

Homework/Extension

Step 2: Describing Turns

National Curriculum Objectives:

Mathematics Year 2: (2P2) [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 \(clockwise and anti-clockwise\)](#)

Mathematics Year 2: (2P1) [Order and arrange combinations of mathematical objects in patterns and sequences](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the object which has made a quarter or half turn either clockwise or anti-clockwise.

Expected Identify the object which has made a quarter, half, three-quarter or whole turn either clockwise or anti-clockwise.

Greater Depth Identify the object which has made a quarter, half, three-quarter or whole turn both clockwise and anti-clockwise in a multi-step problem.

Questions 2, 5 and 8 (Varied Fluency)

Developing Draw a shape which has made a quarter or half turn either clockwise or anti-clockwise from a starting position.

Expected Draw a shape which has made a quarter, half, three-quarter or whole turn either clockwise or anti-clockwise from a starting position.

Greater Depth Draw a shape which has made a quarter, half, three-quarter or whole turn both clockwise and anti-clockwise from a starting position in a multi-step problem.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Match each child to their shape by using their description of the turn it has made. Includes quarter or half turns either clockwise or anti-clockwise.

Expected Match each child to their shape by using their description of the turn it has made. Includes quarter, half, three-quarter and whole turns either clockwise or anti-clockwise.

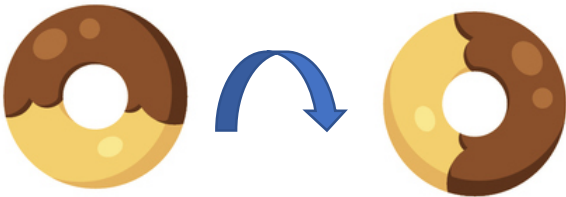
Greater Depth Match each child to their shape by using their description of the turns it has made. Includes quarter, half, three-quarter and whole turns both clockwise and anti-clockwise in a multi-step problem.

More [Year 2 Position and Direction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Describing Turns

1. Circle the turn that the doughnut has made from its starting position.



Half Turn Clockwise

Quarter Turn Clockwise

Half Turn Anti-Clockwise



VF
HW/Ext

2. Complete the table below.

Starting Shape for Each Instruction	Half Turn Anti-Clockwise	Quarter Turn Anti-Clockwise	Quarter Turn Clockwise



VF
HW/Ext

3. Match each child to their shape.



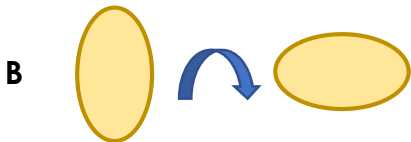
My shape made a quarter turn anti-clockwise.



My shape made a quarter turn clockwise.



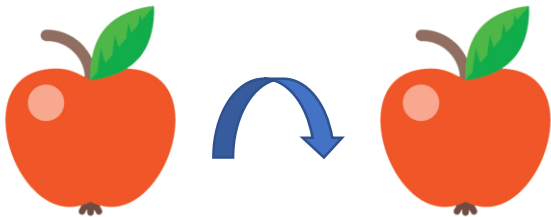
My shape made a half turn clockwise.



RPS
HW/Ext

Describing Turns

4. Circle the turn that the apple has made from its starting position.



Half Turn Anti-Clockwise

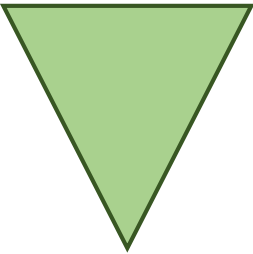
Quarter Turn Clockwise

Whole Turn Clockwise



VF
HW/Ext

5. Complete the table below.

Starting Shape for Each Instruction	Half Turn Clockwise	Whole Turn Anti-Clockwise	Three Quarter Turn Clockwise
			



VF
HW/Ext

6. Match each child to their shape.



Toby

My shape made a three quarter turn anti-clockwise.



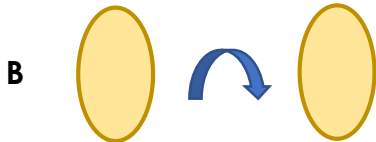
Alice

My shape made a quarter turn anti-clockwise.



Greg

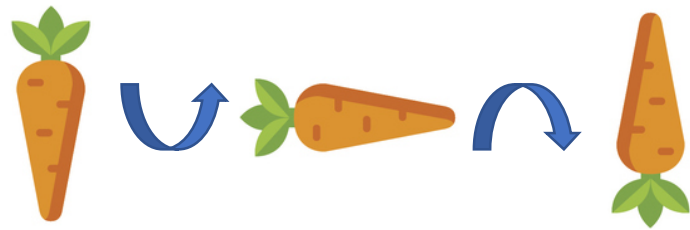
My shape made a whole turn clockwise.



RPS
HW/Ext

Describing Turns

7. Circle the turns that the carrot has made from its starting position.



Quarter Turn
Clockwise then Half
Turn Anti-Clockwise

Quarter Turn Anti-
Clockwise then Three-
Quarter Turn Clockwise

Half Turn Clockwise
then Quarter Turn
Anti-Clockwise



VF
HW/Ext

8. Complete the table below.

Starting Shape for Each Instruction	Half Turn Clockwise then Whole Turn Anti- Clockwise	Three-Quarter Turn Clockwise then Quarter Turn Anti-Clockwise	Whole Turn Clockwise then Quarter Turn Anti-Clockwise



VF
HW/Ext

9. Match each child to their shape.



Jess

My shape made a half
turn anti-clockwise then
a quarter turn clockwise.



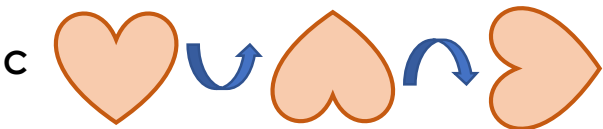
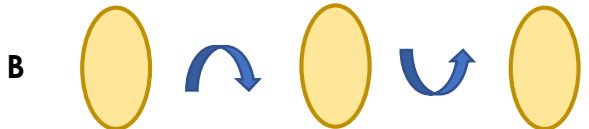
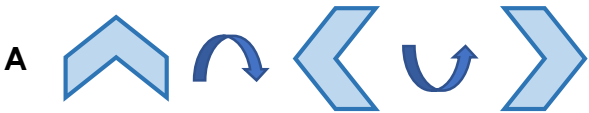
Seth

My shape made a three-
quarter turn clockwise then a
half turn anti-clockwise.



Ali

My shape made a half
turn clockwise then a
whole turn anti-clockwise.



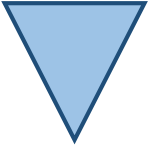
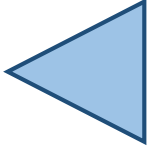
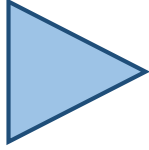
RPS
HW/Ext

Homework/Extension

Describing Turns

Developing

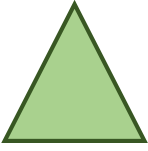
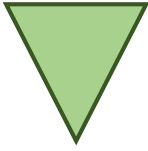
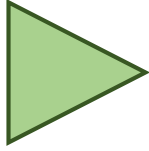
1. Quarter Turn Clockwise

2.	Half Turn Anti-Clockwise	Quarter Turn Anti-clockwise	Quarter Turn Clockwise
			

3. Lily – C, Alex – B, Mia – A

Expected

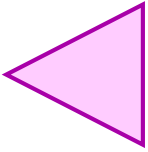
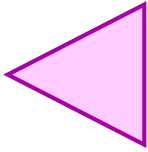
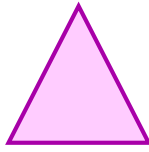
4. Whole Turn Clockwise

5.	Half Turn Clockwise	Whole Turn Anti-clockwise	Three Quarter Turn Clockwise
			

6. Toby – C, Alice – A, Greg – B

Greater Depth

7. Quarter Turn Anti-Clockwise then Three-Quarter Turn Clockwise

8.	Half Turn Clockwise then Whole Turn Anti- Clockwise	Three-Quarter Turn Clockwise then Quarter Turn Anti- Clockwise	Whole Turn Clockwise then Quarter Turn Anti-Clockwise
			

9. Jess – C, Seth – A, Ali – B