

Homework/Extension

Step 1: Describe Turns

National Curriculum Objectives:

Mathematics Year 1: (1P2) [Describe position, direction and movement, including whole, half, quarter and three-quarter turns](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Match the pictures to the turns they have made. Includes 3 different objects which have made a quarter turn or a half turn with direction given.

Expected Match the pictures to the turns they have made. Includes 3 of the same objects which have made a quarter turn, a half turn or a three quarter turn with direction given.

Greater Depth Match the pictures to the turns they have made. Includes 3 of the same objects which have made a quarter turn, a half turn, or a three quarter turn with some given directions.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identify which of the four objects has not made a quarter turn. Includes symmetrical objects.

Expected Identify which of the four objects has not made a full turn. Includes objects that have a clear orientation.

Greater Depth Identify which of the four objects has not made a three quarter turn. Includes objects that don't always have a clear orientation.

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

Developing Work out who is correctly describing the turns the object has made. Includes a half turn or a quarter turn in a given direction.

Expected Work out who is correctly describing the turns the object has made. Includes a quarter turn, half turn, three quarter turn or whole turn in a given direction.

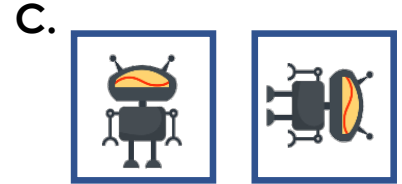
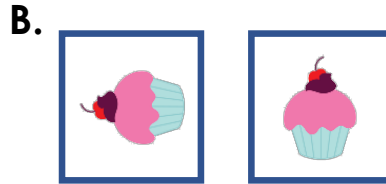
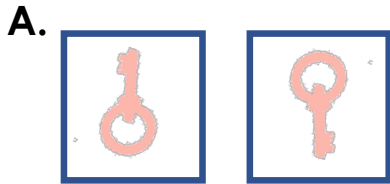
Greater Depth Work out who is correctly describing the turns the object has made. Includes an object without a clear orientation making a quarter turn, half turn, three quarter turn or whole turn in a given direction.

More [Year 1 Position and Direction](#) resources.

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

Describe Turns

1. Match the pictures to the turns they have made.



Quarter turn



Half turn

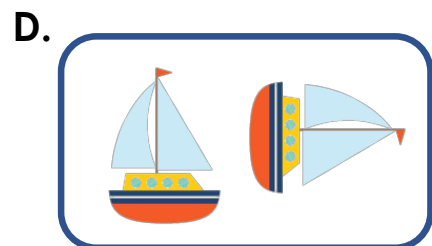
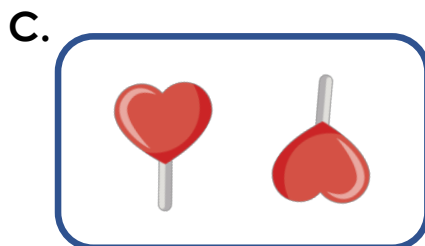
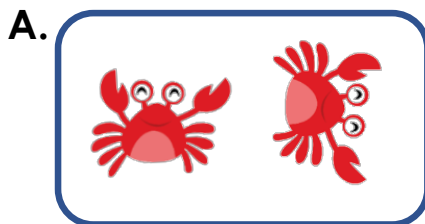


Quarter turn



VF
HW/Ext

2. Which image has not made a quarter turn?



VF
HW/Ext

3. Who is accurately describing the turn the toy duck has made? Explain your answer.



Sophie

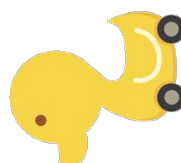
It has made a
quarter turn this
way:



start



finish



It has made a
quarter turn this
way:



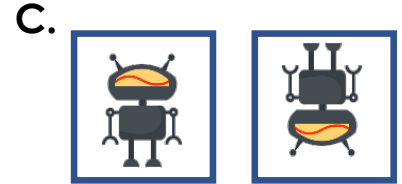
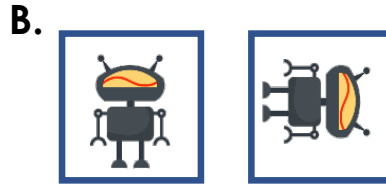
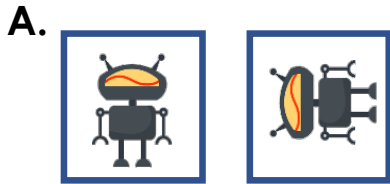
Ben



RPS
HW/Ext

Describe Turns

4. Match the pictures to the turns they have made.



Quarter turn



Half turn

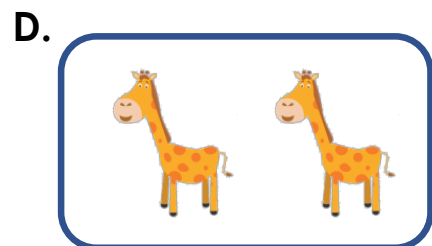
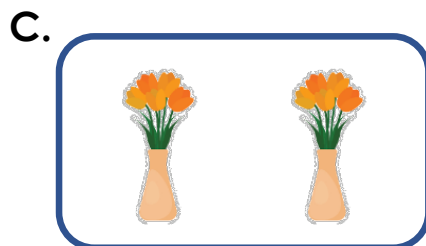
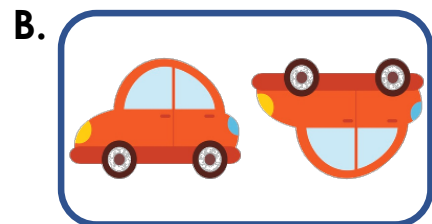
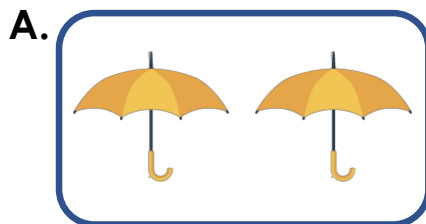


Three quarter turn



VF
HW/Ext

5. Which image has not made a full turn?



VF
HW/Ext

6. Who is accurately describing the turn the dinosaur has made? Explain your answer.



Fred

It has made a half turn this way:



start



finish



It has made a half turn this way:



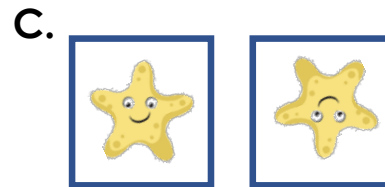
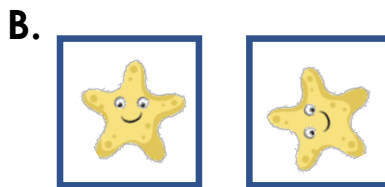
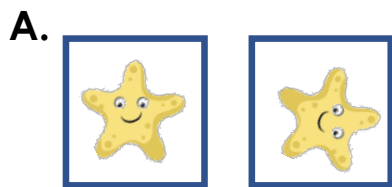
Sonia



RPS
HW/Ext

Describe Turns

7. Match the pictures to the turns they have made.



Quarter turn right

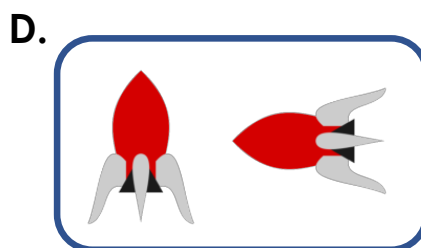
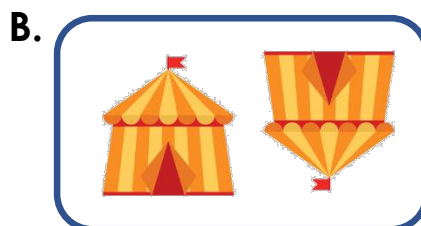
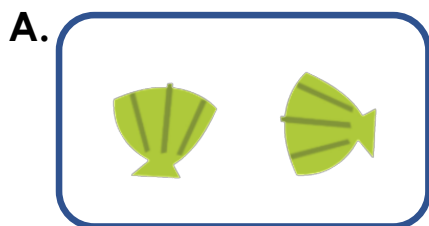
Half turn

Three quarter turn right



VF
HW/Ext

8. Which image has not made a three quarter turn right?



VF
HW/Ext

9. Who is accurately describing the turn the truck has made? Explain your answer.



Hei

It has made a three quarter turn this way:



start



finish



It has made a quarter turn this way:



Claire



RPS
HW/Ext

Homework/Extension

Describe Turns

Developing

1. A. Half turn; B. Quarter turn to the left; C. Quarter turn to the right
2. C as it has made a half turn, not a quarter turn.
3. Ben is correct. The toy duck has made a quarter turn to the left.

Expected

4. A. Three quarter turn to the right; B. Quarter turn to the right; C. Half turn
5. B as it has made a half turn, not a full turn.
6. Both Fred and Sonia are correct. The dinosaur has made a half turn which could have been either to the left or the right.

Greater Depth

7. A. Quarter turn to the right; B. Three quarter turn to the right; C. Half turn
8. B as it has made a half turn, not a three quarter turn.
9. Both Hei and Claire are correct. The truck could have made a quarter turn to the left or a three quarter turn to the right.