Varied Fluency
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:

Developing Questions to support describing turns. Objects and shapes will start in the correct position before turning. Some multiple choice questions. Quarter and half turns included only. Shapes and objects have a clear orientation.
Expected Questions to support describing turns. Starting position of shapes and objects will vary. Quarter turns, half turns, three quarter turns and whole turns included. Shapes and objects have a clear orientation.
Greater Depth Questions to support describing turns. Starting position of shapes and objects will vary. Quarter turns, half turns, three quarter turns and whole turns included. Shapes may not have a clear orientation.

More Year 1 Position and Direction resources.

Did you like this resource? Don't forget to review it on our website.

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Describe Turns

1a. Look at the pencils below. How have they moved? Use the word bank below.

Before	After	Turn

Quarter turn | Half turn

D VF

2a. How will this shape look after a quarter turn? Circle your answer.

a.

b.

D VF

3a. Draw an arrow in the box to show the direction the object has turned.

Describe the turn it has made.

D VF

4a. Circle the shapes which have made a quarter turn.

D VF

Describe Turns

1b. Look at the pencils below. How have they moved? Use the word bank below.

Before	After	Turn

Quarter turn | Half turn

D VF

2b. How will this shape look after a half turn? Circle your answer.

a.

b.

D VF

3b. Draw an arrow in the box to show the direction the object has turned.

Describe the turn it has made.

D VF

4b. Circle the shapes or objects which have made a half turn.

D VF

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Describe Turns

5a. Look at the insects below. How have they moved?

Before	After	Turn

Write the correct turn for each insect.

E VF

Describe Turns

5b. Look at the insects below. How have they moved?

Before	After	Turn

Write the correct turn for each insect.

E VF

6a. How will this shape look after a quarter turn? Circle your answer.

a.

b.

E VF

6b. How will this shape look after a half turn? Circle your answer.

a.

b.

E VF

7a. Draw an arrow in the box to show the direction each object has turned.

E Describe the turn each has made. VF

7b. Draw an arrow in the box to show the direction each object has turned.

E Describe the turn each has made. VF

8a. Circle the shapes which have made a three-quarter turn.

E VF

8b. Circle the shapes which have made a quarter turn.

E VF

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Describe Turns

9a. Look at the objects below. How have they moved?

Before	After	Turn

Write the correct turn for each object.

GD VF

Describe Turns

9b. Look at the objects below. How have they moved?

Before	After	Turn

Write the correct turn for each object.

GD VF

10a. How will this shape look after a quarter turn? Circle your answer.

a.

b.

GD VF

10b. How will this shape look after a half turn? Circle your answer.

a.

b.

GD VF

11a. Describe the turn each image has made (there may be more than one answer).

Hint: turn in both directions

GD VF

11b. Describe the turn each image has made (there may be more than one answer).

Hint: turn in both directions

GD VF

12a. Circle the shapes which have made the same turn. Which turn is it?

GD VF

12b. Circle the shapes which have made the same turn. Which turn is it?

GD VF

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Varied Fluency
Describe Turns

Developing

1a. Quarter turn, Half turn

2a. a

3a. 2 possible answers:

Quarter turn (to the left) or Three quarter turn (to the right)

4a. All shapes have made a quarter turn.

Expected

5a. Half turn (to the right or to the left). Quarter turn (to the right) or three-quarter turn (to the left).

6a. b

7a. 2 possible answers for each image:

Quarter turn (to the right) or Three quarter turn (to the left)

Half turn (to the left or right)

8a. The arrow and the part circle have made a three quarter turn.

Greater Depth

9a. Half turn (to the left or right). Quarter turn (to the left) or three quarter turn (to the right).

10a. a

11a. The frog has made a quarter turn to the right, or a three-quarter turn to the left. The elephant has made a full turn to the left or to the right.

12a. They have made a quarter turn to the left or a three quarter turn to the right.

Varied Fluency
Describe Turns

Developing

1b. Quarter turn, Half turn

2b. b

3b. 2 possible answers:

Quarter turn (to the right) or Three quarter turn (to the left)

4b. The arrow and the rainbow shape have made a half turn.

Expected

5b. Quarter turn (to the right) or three-quarter turn (to the left).
Quarter turn (to the left)or three-quarter turn (to the right).

6b. b

7b. 2 possible answers for each image:

Quarter turn (to the right) or Three quarter turn (to the left)

Half turn (to the left or right)

8b. The trapezium has made a quarter turn.

Greater Depth

9b. Full turn (to the left or to the right). Quarter turn (to the right) or three quarters to the left.

10b. b

11b. The crocodile has made a half turn to the left or to the right. The gorilla has made a full turn to the left or to the right.

12b. They have made a half turn to the left or to the right.

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