

Y1 Position and Direction

KS1 Y1 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Mo faces the board. He makes a half turn. What is he facing now?

Step 1 · A half turn is two quarter turns

Half of the way round

Step 2 · He ends up facing the opposite way

The back of the room

Answer: Mo faces the back of the room

Check: Two half turns make a whole turn, back to the board.

2. Now try one with the steps

A whole turn: where do you end up facing?

Step 1 · A whole turn goes all the way round

Step 2 · You come back to where you started

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What is the opposite of up?

2. What is the opposite of in front of?

3. What is the opposite of inside?

4. How many quarter turns make a whole turn?

5. How many quarter turns make a half turn?

6. After a whole turn, do you face the same way or a different way?

7. In a row of three, a cup is between a plate and a bowl. Which object is in the middle?

8. You face the door and make a half turn. Are you facing towards the door or away from it?

9. How many quarter turns make a three-quarter turn?

10. Is turning clockwise the same direction hands of a clock move?

11. The robot faces the tree. Clockwise order is tree, house, pond, swings. After a half turn, what does it face?

12. The robot faces the tree. It makes a three-quarter turn clockwise. What does it face?

13. The robot faces the house. It makes a quarter turn anticlockwise. What does it face?

14. Ayesha makes a quarter turn and then another quarter turn the same way. What turn has she made altogether?

4. Before you hand it in

Thinking a half turn means turning only a little bit.

Stand up and try it: a half turn means your back is where your front was.

Mixing up clockwise and anticlockwise.

Clockwise turns the same way hands. Anticlockwise is the other way.

Mixing up left and right.

Hold up your hands with fingers up and thumbs out. Your left hand makes an L shape.

Thinking a three-quarter turn is the same quarter turn.

A three-quarter turn clockwise ends where a quarter turn anticlockwise does. Count the quarter turns.