

LO: clockwise and anticlockwise turns

**Answers:**

1. Start facing North. Make  $\frac{1}{4}$  of a turn clockwise.

You're now facing **East** .

2. Start facing North. Make  $\frac{3}{4}$  of a turn anticlockwise.

You're now facing **East** .

3. Start facing North. Make  $\frac{1}{2}$  of a turn clockwise.

You're now facing **South** .

4. Start facing North. Make  $\frac{1}{4}$  of a turn anticlockwise.

You're now facing **West** .

1. Start facing East. Make  $\frac{1}{4}$  of a turn clockwise.

You're now facing **South** .

2. Start facing West. Make  $\frac{3}{4}$  of a turn anticlockwise.

You're now facing **North** .

3. Start facing East. Make  $\frac{1}{2}$  of a turn anticlockwise.

You're now facing **West** .

4. Start facing South. Make  $\frac{3}{4}$  of a turn anticlockwise.

You're now facing **West** .

## Challenge 1:

Jed says when you make  $\frac{1}{2}$  of a whole turn, you don't need to say whether it's clockwise or anticlockwise.

Do you **agree** or **disagree**? Explain your answer.

**I agree with Jed because  $\frac{1}{2}$  of a whole turn clockwise means you point in the same direction as the same turn anticlockwise.**

## Challenge 2:

Start facing North and follow these steps:

- 1) Make  $\frac{1}{4}$  of a whole turn clockwise. **East**
- 2) Make  $\frac{3}{4}$  of a whole turn anticlockwise. **South**
- 3) Make  $\frac{1}{2}$  of a whole turn clockwise. **North**
- 4) Make  $\frac{1}{4}$  of a whole turn anticlockwise. **West**

You're now facing **West** .