# Week 12, Day 5 <br> Right angle turns (2) 

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the PowerPoint presentation with a teacher or another grown-up.

OR start by carefully reading through the Learning Reminders.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

## Learning Reminders

Recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn.
 through a right angle... a quarter of a full turn.

## Learning Reminders

Recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn.


## Practice Sheet for All Right angle turns

Tick true or false by the side of each statement. True False

1. A right angle is 100 degrees.
2. There are four right angle turns in a complete turn.
3. There are three right angle turns in half a turn.
4. There are two right angle turns in a half turn.
5. There are 180 degrees in half a turn.


Hot challenge: have a go at these three questions
6. This diver has turned through quarter of a turn.


False

7. This diver has turned through two right angle turns.
8. This diver has turned through three right angle turns.


## Practice Sheet Answers

## Right angle turns (for all)

1. A right angle is 100 degrees. FALSE
2. There are four right angle turns in a complete turn. TRUE
3. There are three right angle turns in half a turn. FALSE
4. There are two right angle turns in a half turn. TRUE
5. There are 180 degrees in half a turn. TRUE

## Hot challenge

6. This diver has turned through quarter of a turn. TRUE
7. This diver has turned through two right angle turns. TRUE
8. This diver has turned through three right angle turns. FALSE

## A Bit Stuck? Turning patterns

Things you will need:

- Card, e.g. from a cereal box
- Scissor
- Pencils


## What to do:

- Draw a 10 cm by 10 cm square on a piece of card and cut it out.
- Draw a line drawn from its centre to the midpoint of one side.
- Now cut a pattern round the edge of the square to make a new shape, e.g.

- Place your square in the middle of the square below with the drawn line facing upwards (as if towards 12 on a clock). Draw round it using a coloured pencil.

- Now rotate the shape through a quarter of a turn (using the drawn line to help). Carefully draw around it using a different colour.
- Repeat, until the shape is back in its original position.
- How many right angle turns were needed to get back to the beginning?
- Remove the card shape to reveal a turning pattern.
- Repeat with a new shape.



