Year 3 Maths
Remote learning
8.2.21 – 11.2.21

This pack contains:

- 4 lessons with activities (to be completed in your homework book)

Skills for this week:

-Recognising angles as properties of shape
-Identifying right angles
-Recognising quarter turns & half turns

Lesson 1
LO: To identify angles as a property of a shape

Watch the video and complete the activities throughout the video. Then, choose your chilli challenge.

Mild

Part 1

A) Sort the pictures into the correct column based on whether the pairs of lines form an angle. A has been done for you.

Lines **do** form an angle	Lines **don't** form an angle
	A

A   B   C
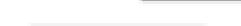
D   E   F

G   H   I

Lesson 1
## LO: To identify angles as a property of a shape

Spicy

Watch the video and complete the activities throughout the video. Then, choose your chilli challenge.

Circle all of the angles you can see in these shapes.
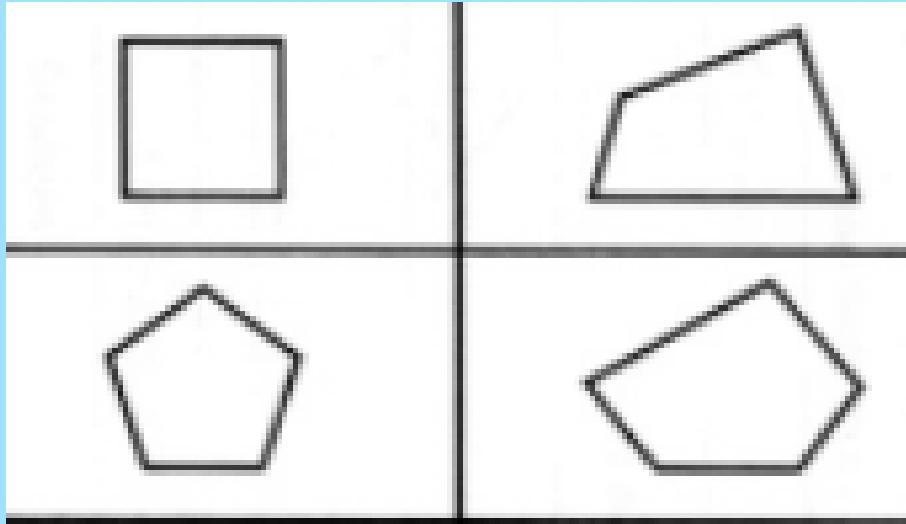
How do you know they are angles?

Miss Simpson thinks she has circled the angles in these shapes.
Is she correct?
Why?
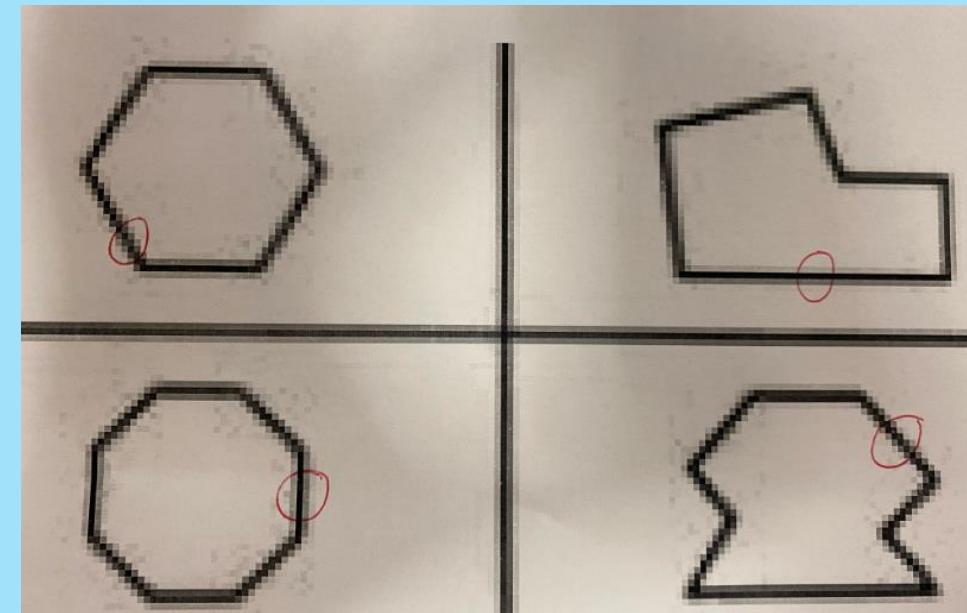
Lesson 1
LO: To identify angles as a property of a shape

Watch the video and complete the activities throughout the video. Then, complete the independent activities.

The letter 'X' has four angles.
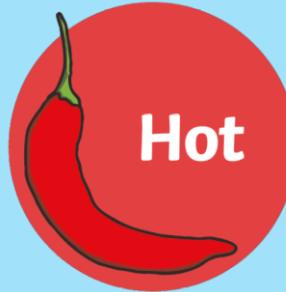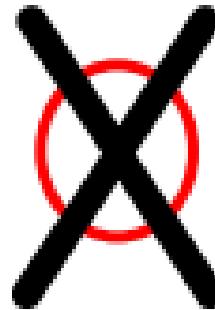
Write your name in capital letters.

How many angles can you see in each letter?

How many angles are there in your full name?

Hot

Watch Miss Simpson's video and then choose your chilli challenge.
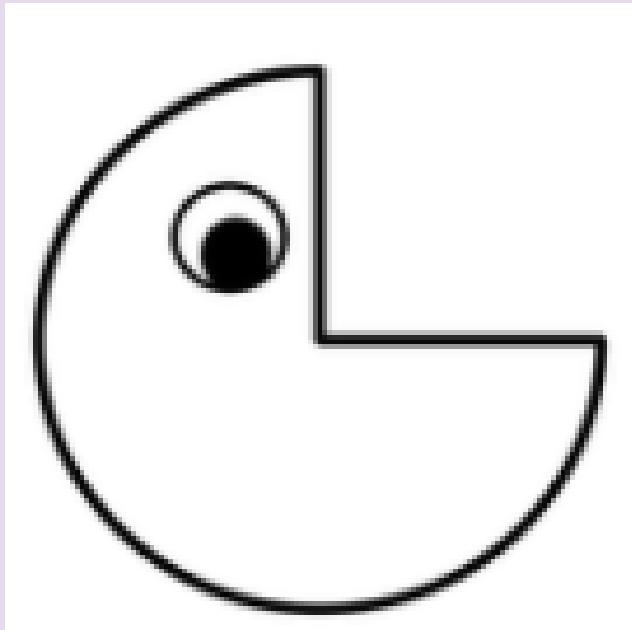
Cut out the right angle eater to help you find the right angles in your chilli challenge.

Lesson 2

Part A Decide which of these shapes have rights angles

1)
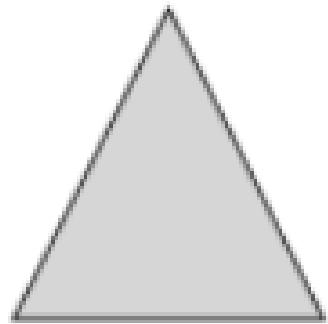
2)

3)
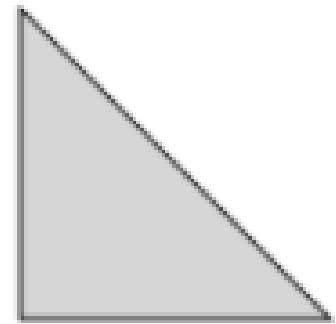
4)
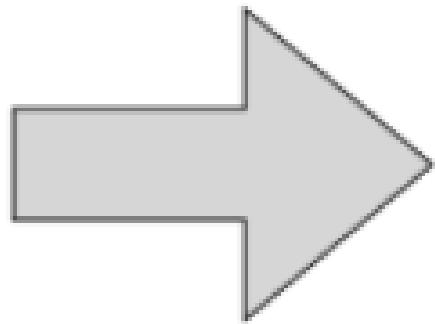
5)

6)
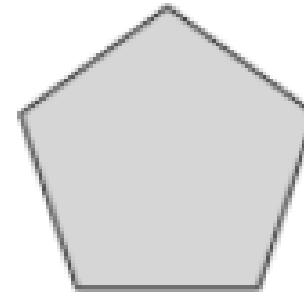
Challenge - **Which do you think has the most right angles?**

Complete the mild challenge before completing this challenge.

Spicy

Draw a line along the dots to make a right-angle with each of these lines:
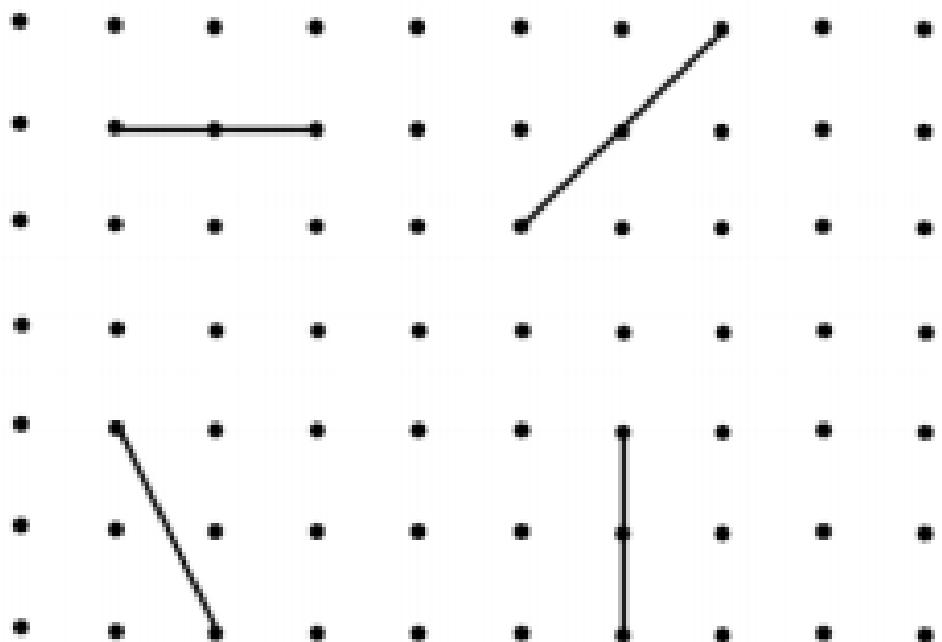
Use sticks to create 3 shapes with right angles as a property.

Can you make shapes that have a different number of right angles?

True or False?

This shape has two right-angles.

Explain your answer.

How many right angles can you see in this image?

Hot
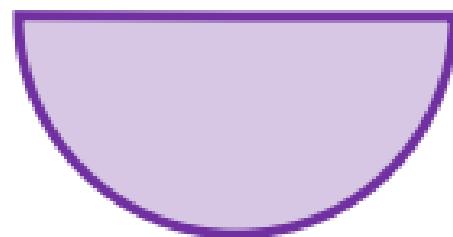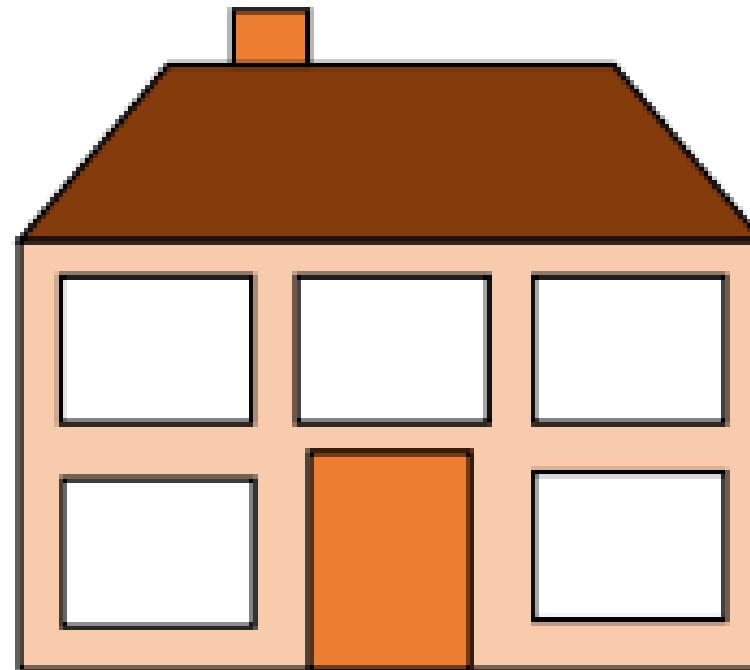
Can you create your own image with the same number of right angles?

Lesson 3
LO: To recognise quarter turns.

Watch Miss Simpson's video and then choose your chilli challenge. Use the sheet below to help remind you of the different turns and directions.

Clockwise

1 right angle
quarter-turn clockwise
90°

2 right angles
half-turn clockwise
180°

3 right angles
three-quarter turn clockwise
270°

4 right angles
complete turn clockwise
360°

Anticlockwise

1 right angle
quarter-turn anticlockwise
90°

2 right angles
half-turn anticlockwise
180°
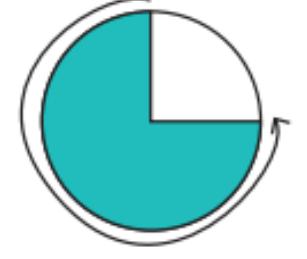
3 right angles
three-quarter turn anticlockwise
270°
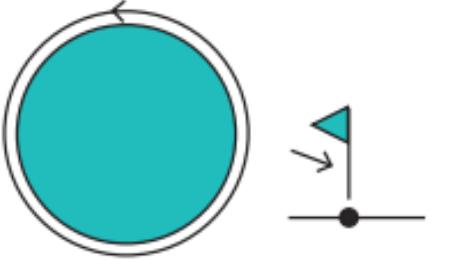
4 right angles
complete turn anticlockwise
360°

Lesson 3
LO: To recognise quarter turns.

Mild **Spicy**

Watch Miss Simpson's video and split this bar model into quarters and show how this links to quarter turns and half turns.
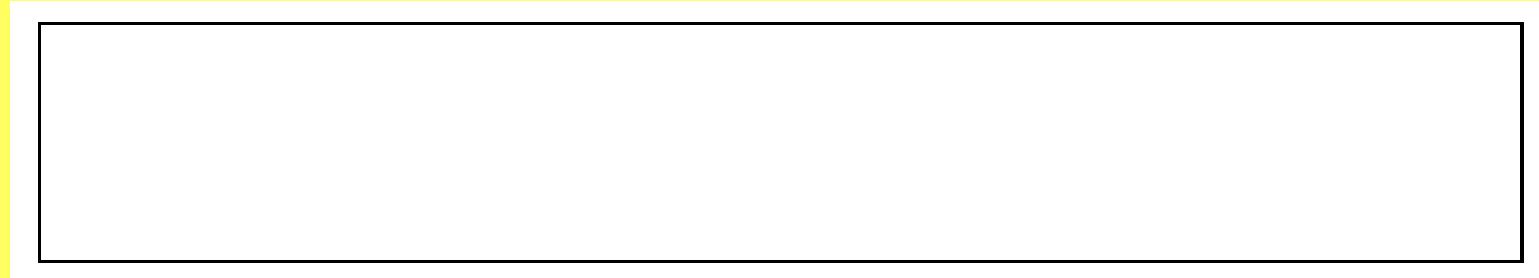
1. Me and my friend start in the **same position.**
If **I make a quarter turn anti-clockwise** and **my friend makes a quarter turn clockwise**, will we end in the same position?

2. My car starts in one position.
I make **2 quarter turns clockwise.**
Have I made a half turn?

3. If I spin my pointer and it turns a **quarter turn anti-clockwise**, have I made a 2 quarter turn clockwise?

4. I want to make a **whole turn** in my gymnastics jump. How many quarters do I need to turn?

Hot

Make up a gymnastics routine.

Your routine should include different angle turns e.g. quarter turns, half turns etc.
Once you have made your routine, write down the sequence.

Is there a different way you could describe the jumps? E.g. 1 quarter turn anti-clockwise is the same as a 3 quarter turn clockwise.

Lesson 4
LO: To apply my knowledge about angles.

Mild

Use the [Beebot](#) to create a route involving all of the different turns you have learnt about.

Where does your Beebot start?

Can you make a quarter turn?

Can you make a half turn?

How many quarter turns do you need to make for a half turn?

Where has your Beebot finished?

Lesson 4

LO: To solve problems involving angles.

Spicy

Use what you have learnt this week to answer these problems.

Use the bar models to represent the problem like you learnt yesterday.

The arrow on a spinner started in this position.
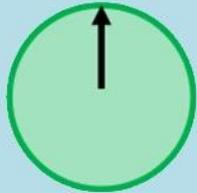
After making a turn it ended in this position.
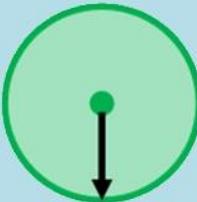
Jack says,

The arrow has moved two right-angles anti-clockwise.

Alex says,

The arrow has moved half a turn clockwise.

Who do you agree with?

The arrow on a spinner started in this position.
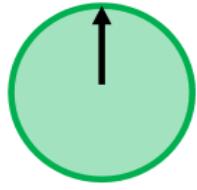
After making a turn it ended in this position.
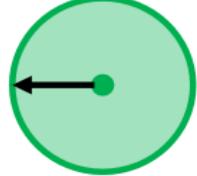
Jack says,

The arrow has moved a quarter turn anti-clockwise.

Alex says,

The arrow has moved a three-quarter turn clockwise.

Who do you agree with?
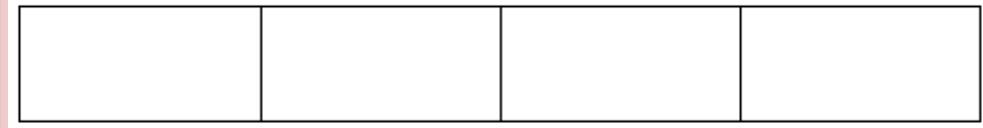
Lesson 4
LO: To solve problems involving shape and angles.

Hot

Complete the spicy challenge before completing this activity.

How many right angles can you find on each flag?
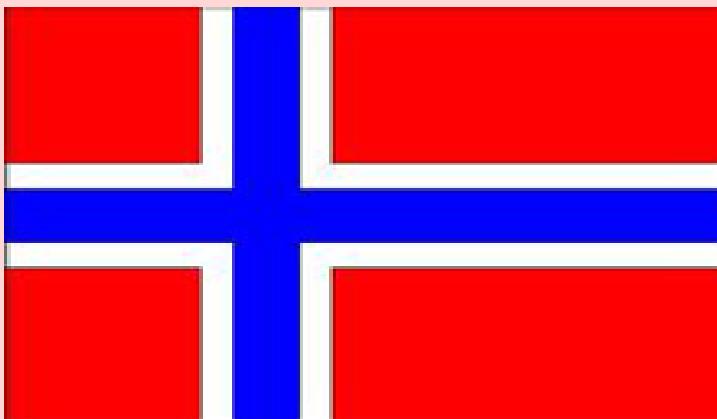
True or False- Norway only has right angles on their flag.

Investigate other flags of the world.
How many right angles can you find on the flags?