IAL: to recognise angles as a property of shape or a description of a turn.

Click the links to learn about turns and angles.
Turns and Angles

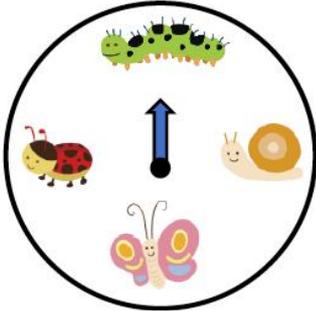Choose from A, B and C. If you would like to complete more than one, you can!

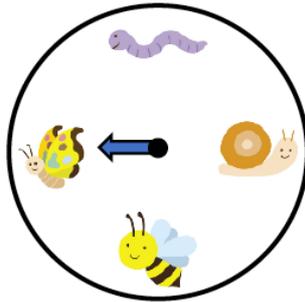**A)** Answer the angles questions below.

Start at north. Turn a quarter turn clockwise. Which direction are you now facing? _____

Start at north. Turn a quarter turn anti-clockwise. Which direction are you now facing? _____
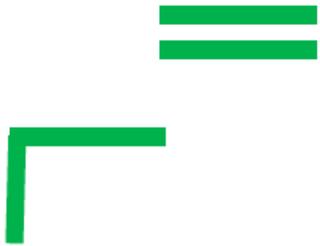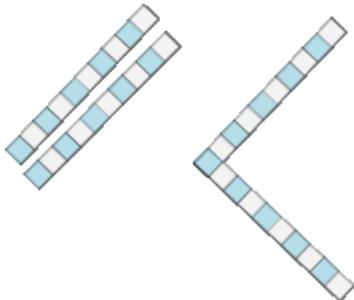

What turn does the spinner need to make to get from the caterpillar to the butterfly? _____

What turn does the spinner need to make to get from the butterfly to the worm? _____

Sort the images into the table.

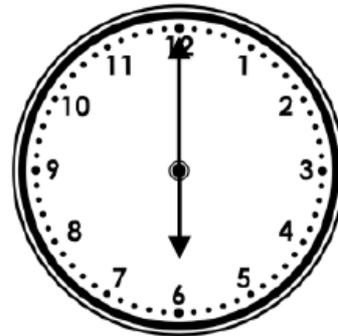| Angle	Not an angle

Start at north. Turn three quarters clockwise. Which direction are you now facing?

Start at south. Turn three quarters anti-clockwise. Which direction are you now facing?
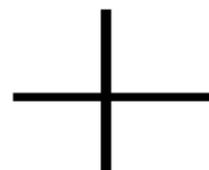
If the minute hand moved 2 quarter turns what would the time be?

If the hour hand moved 3 quarter turns what would the time be?

Sort the images into the table.

All lines make angles	Not all lines make angles

C) Sort the images into the table.

All lines make angles	Not all lines make angles

Solve the angle problems.

A compass needle has moved from south to west.

Max

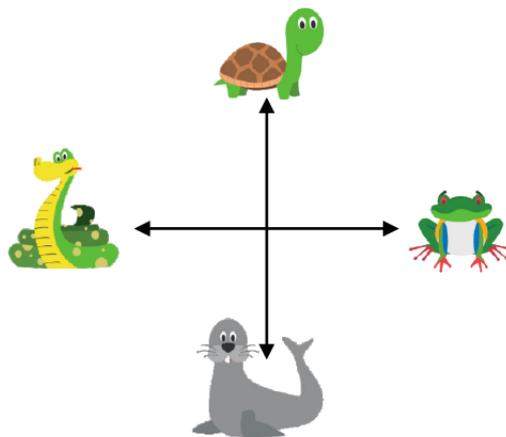It has moved a quarter turn clockwise.

Rosie

It has moved a quarter turn anti-clockwise

Who is correct? Explain how you know.

After a quarter turn clockwise and a three quarter turn anti-clockwise, you are now facing the tortoise. Which animal were you facing when you started?
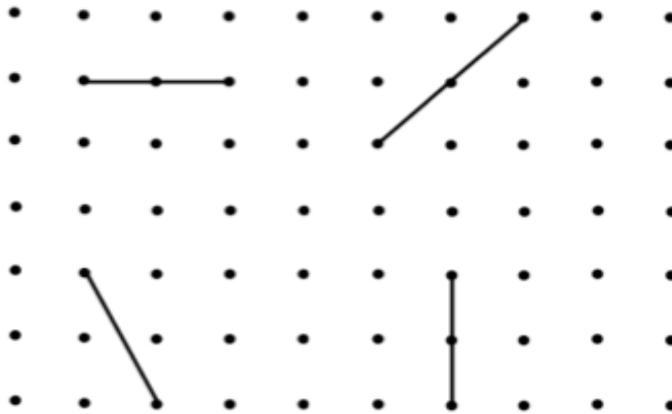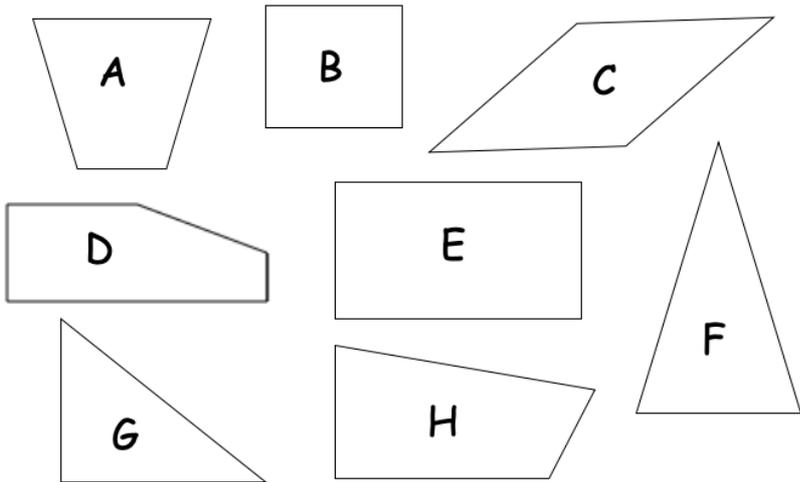
IAL: to identify right angles

Click the links to learn about right angles.
Right Angles

Choose from A, B and C. If you would like to complete more than one, you can!

A) Draw a line along the dots to make a right angle with each of these lines.

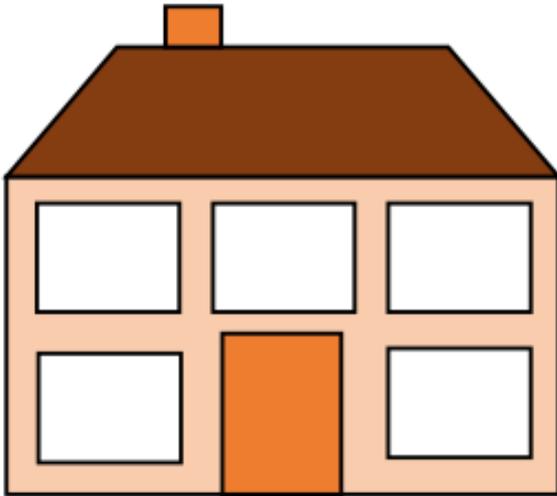**B)** Draw a square to show a right angle on the shapes below and sort the 2D shapes into the table.

0 right angles	1 right angle	3 right angles	4 right angles

True or False?
This shape has two right-angles.
 Explain your answer.

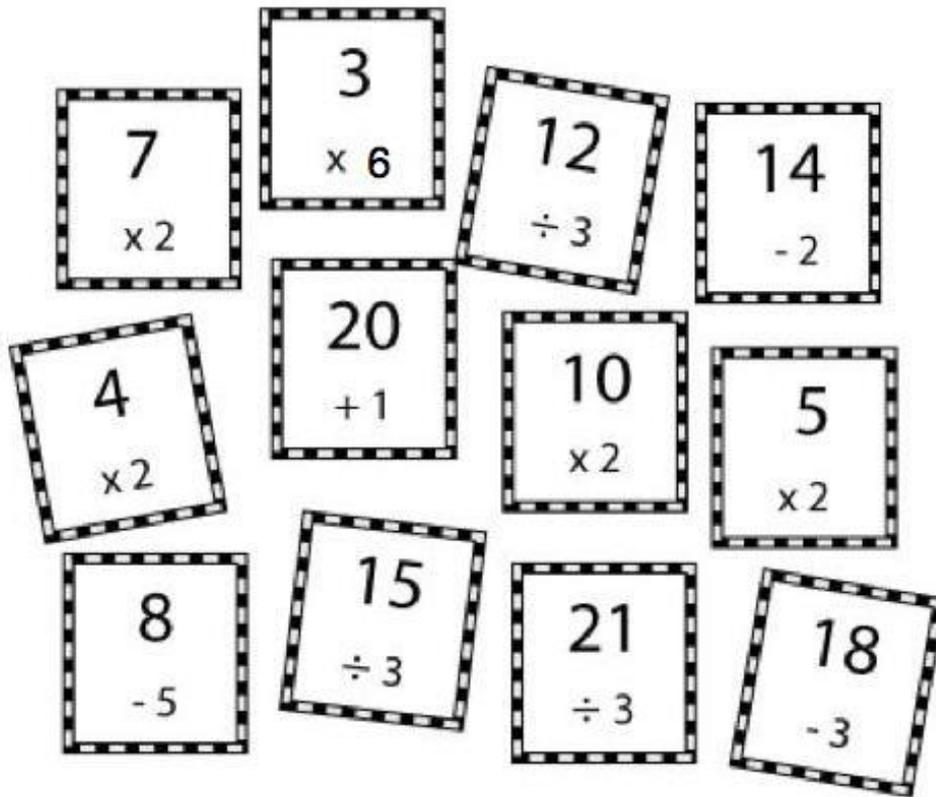How many right angles can you see in this image?

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

IAL: to solve a non-routine maths problem

Apply your understanding the four operations (**+** **–** **x** **÷**) to solve the problems below.

A copy of the cards can be found here.

Look at these cards.

Can you sort them so that they follow round in a loop?

Here is a card from a different set

What number would follow it?

What about this one? What would follow it?