

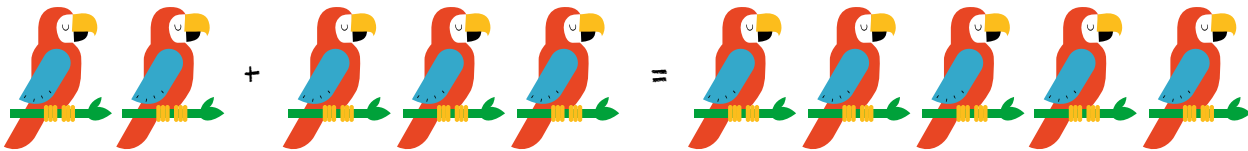
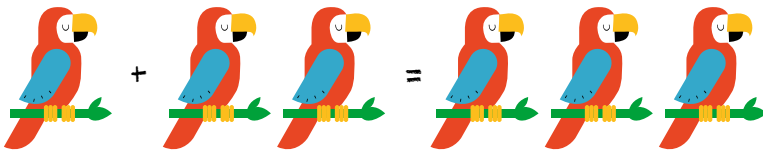
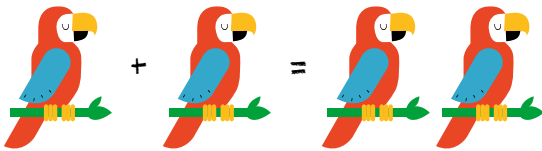
Fibonacci numbers

PUPIL WORKSHEET



About Fibonacci

Fibonacci was an Italian mathematician from the Middle Ages who worked on a series of numbers that were first written in 6th century India. The series of numbers became known as Fibonacci numbers.



Can you see a pattern?

Can you draw what comes next?

This activity was created by Maths on Toast, the family maths charity. To find more activities online go to: mathsontoast.org.uk

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Activity

The Fibonacci sequence begins **0, 1, 1, 2...**

The next number is found by adding up the two numbers before it.

$$0 + 1 =$$

$$1 + 1 =$$

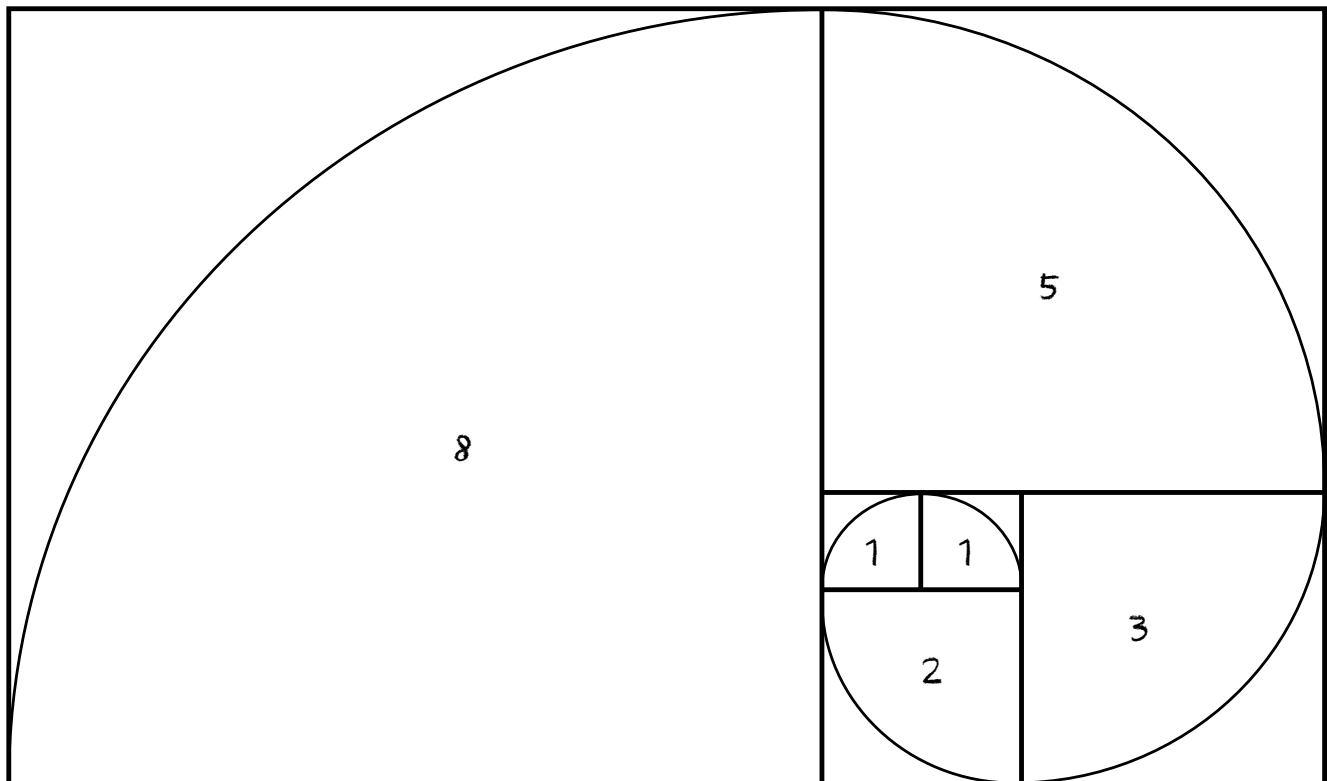
$$1 + 2 =$$

$$2 + 3 =$$

$$3 + 5 =$$

We can use these numbers to make squares.

If we draw a curve from corner to corner of each square, we get a spiral.



Can you colour the spiral to look like a parrot?

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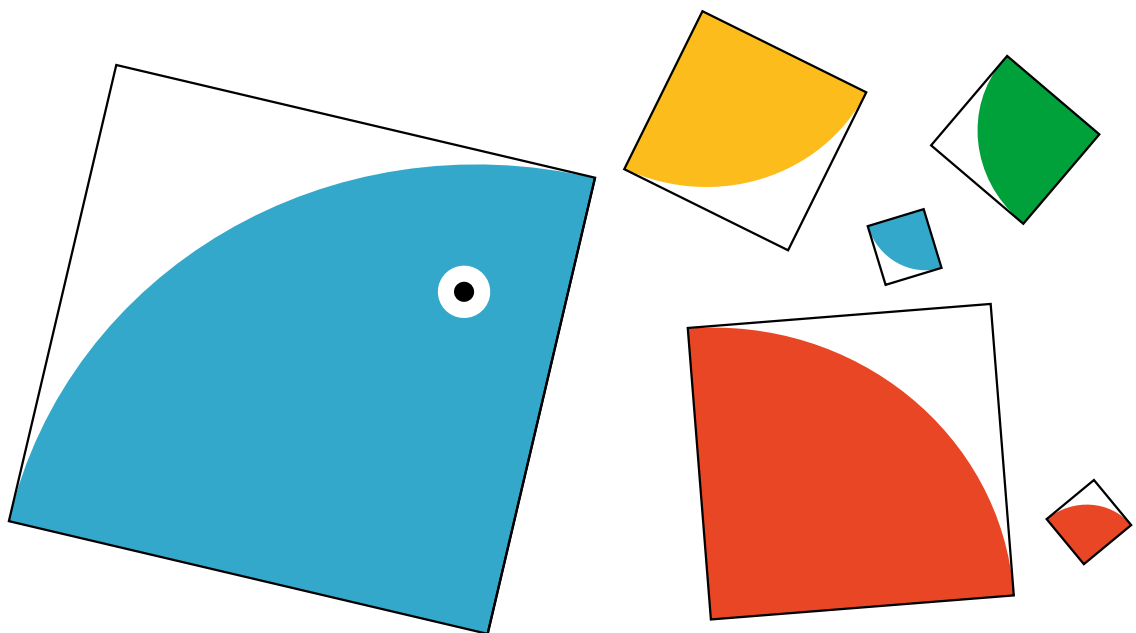
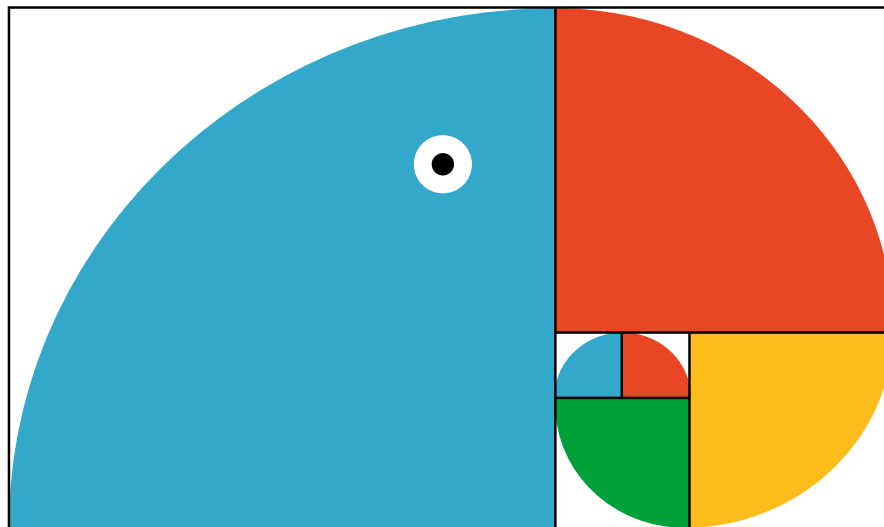


Activity

Now cut out the squares and jumble the pieces. Can you fit the spiral back together?

Perhaps ask one of the younger children to try.

Example:



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