

Lewis Class

Year 4 Maths (week beginning 29.06.20)

Here are some links to websites that have videos to support your child's learning in Maths. If you are struggling to find time to sit down with them, they could watch and make notes independently. These are not necessarily linked to the current topic but are still useful tools for learning. They can also be used as additional learning if needed.

<https://www.bbc.co.uk/bitesize/subjects/z826n39>

<https://www.thenational.academy/online-classroom/year-4/maths#subjects>

Properties of shape

Task 1

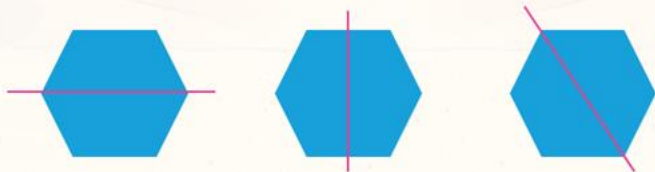
- Lines of symmetry

An object, shape or design can be said to be symmetrical if a line can be drawn through the middle, such that the two halves are mirror images of each other.

For example, a butterfly has symmetry. If you drew a line down the middle of the butterfly, both sides would be the same.



Lines of symmetry can be horizontal, vertical or diagonal.



When something is **symmetrical** one side is a mirror image of the other side. A **line of symmetry** is the **line** you can draw to show that both sides are the same. When you need to draw the other side of a **symmetrical** shape you can use a mirror to help you.

Watch these videos for more information about lines of symmetry:

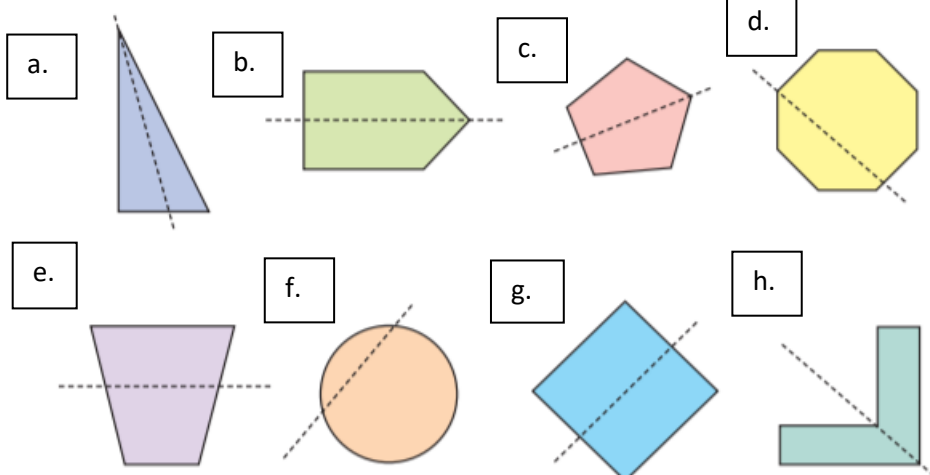
<https://youtu.be/YFzktJNmnpU>

<https://www.bbc.co.uk/teach/class-clips-video/maths-ks2-finding-lines-of-symmetry/zktfgwx>

Draw and cut out 3 of these shapes – then fold them to find their lines of symmetry.

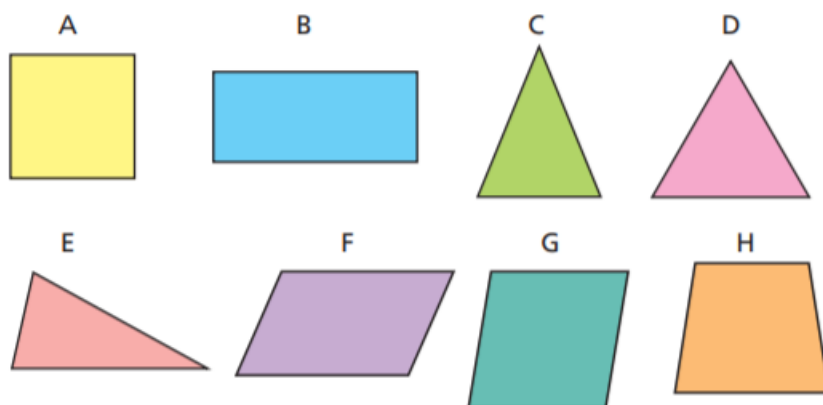


Which shapes show a correct line of symmetry?



Task 2

- Copy and complete this table to sort these 2D shapes. The first one has been done for you.



	1 line of symmetry	More than 1 line of symmetry	No lines of symmetry
Triangle			
Quadrilateral		A	

Shape and symmetry, lessons 11, 12, 13, 14 and 15 - <https://classroom.thenational.academy/subjects-by-year/year-4/subjects/maths>

Task 3

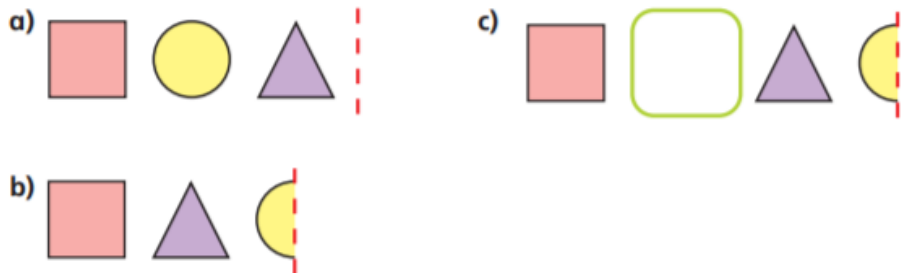
- Symmetric figures

Copy the shapes and complete the patterns.

Create your own patterns including a mirror line.

Each pattern is symmetrical around the mirror line.

Complete the patterns.



Task 4

- Design a symmetrical picture like the ones attached or complete one of the pictures attached if you are able to print them out.

Task 5

- Reasoning and problem solving



A triangle has 1 line of symmetry unless you change the orientation.

Is Jack correct? Prove it.

Always, Sometimes, Never.

A four-sided shape has four lines of symmetry.



When given half of a symmetrical shape I know the original shape will have double the amount of sides.

Do you agree with Dora?
Convince me.

Throughout the week - practise multiplication tables:

You could:

- Focus on whichever one you find difficult to remember and write out in a random order to improve your rapid recall.
- Play on Hit the Button - focus on number bonds, halves, doubles and times tables - <https://www.topmarks.co.uk/maths-games/hit-the-button>

Do a multiplication dance – <https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>

Lines of symmetry pictures to complete if you are able to print:

