





Year 4 Maths

Week beginning 6th July 2020

This week we will be carrying on learning about shape and symmetry with a specific focus on symmetry within these shapes.

Monday-To identify lines of symmetry in 2D shapes.

Today Mr C will start by showing you some interesting facts about some of the tallest buildings in the world. You are then going to warm up by sorting regular and irregular shapes. You looked at this last week so see if you can think back to then. Have a look at the diagram below to help you too.

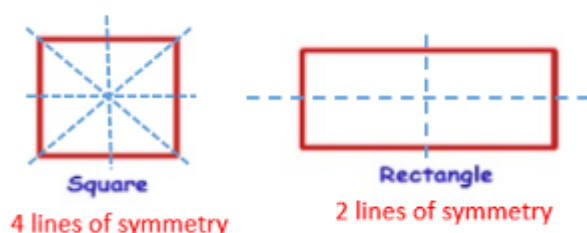
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|  |  |  |  |
| Irregular Pentagon | Irregular Hexagon | Irregular Hexagon | Irregular Octagon |
| This shape has five sides and internal angles that are not all equal. | This shape has six sides and six internal angles that are not all equal. | Here is an example of a completely different hexagon. | This shape has eight sides and eight internal angles that are not all equal. |

Next, you will think about what symmetry is. You will have a look some regular and irregular shapes to see if any of these are symmetrical. Mr C will then give some shapes and then some capital letters for you to have a look at to see how many lines of symmetry they have. You can do this just by looking if you want or you can draw and cut them out with paper so that you can fold them if you think this might help you.

<https://classroom.thenational.academy/lessons/to-identify-lines-of-symmetry-in-2-d-shapes>

Tuesday-To identify lines of symmetry in a pattern.

To begin this session, Mr C has some facts related to the different populations around the world. You will warm up by completing some number trees- you should be getting the hang of these by now! Mr C will then recap what you learnt about symmetry as you are going to move this learning on today by completing some patterns so that they are symmetrical.



<https://classroom.thenational.academy/lessons/to-identify-lines-of-symmetry-in-a-pattern>

Wednesday-To complete a simple symmetrical figure.

Mr C has a really interesting fact today as he has found out the oldest living person in years as well as days! You then have another times table challenge. Let us know if your time is getting faster! You will then revise what symmetry is and will look at the different types of lines of symmetry e.g. horizontal, vertical, diagonal. You will then move on to focus on identifying diagonal lines of symmetry. Mr C will then give you some patterns to complete and you will then get to draw your own symmetrical patterns.

<https://classroom.thenational.academy/lessons/to-complete-a-simple-symmetrical-figure>

Thursday – To investigate a problem using symmetry.

Mr C has got some facts about the most expensive car today! You will then begin by solving the puzzle and working out the value of each symbol. You will have a chance to make sure that you feel really confident with symmetrical patterns as you will complete Mr C's pattern. You will then use the mirror line to finish drawing the shapes that have been given to you.

<https://classroom.thenational.academy/lessons/to-investigate-a-problem-using-symmetry>

Friday – To investigate a problem using symmetry.

To start with today, Mr C has some facts relating to measures. You then have another number crossword to solve. These really get your brain warmed up! You will go over how to complete a symmetrical pattern and Mr C then has a symmetrical investigation for you to complete.

<https://classroom.thenational.academy/lessons/to-investigate-a-problem-using-symmetry-3b9d09>

Have a great week!