



Timer fun!

You will need a timer (most mobile phones and tablets have one).



First, decide on a set of challenges for you and your family.

You could choose many activities:

- star jumps
- balance on one leg
- the plank!
- skipping

Next, decide how many of each challenge you will be able to do – for example, 30 star jumps

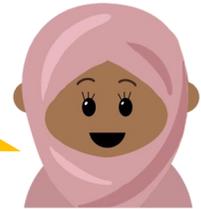
All you have to do now is time each member of your family as they undertake each challenge!

Let's do this!



You could find the total time for each challenge.

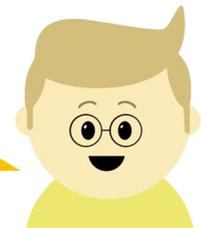
How about making a chart to show how everyone's times improve?



Challenge yourself to beat your time.
(Practise makes perfect!)



Why not set up a circuit around your garden or a room in your house?





Symmetry

Symmetry is all around us – look around your room...



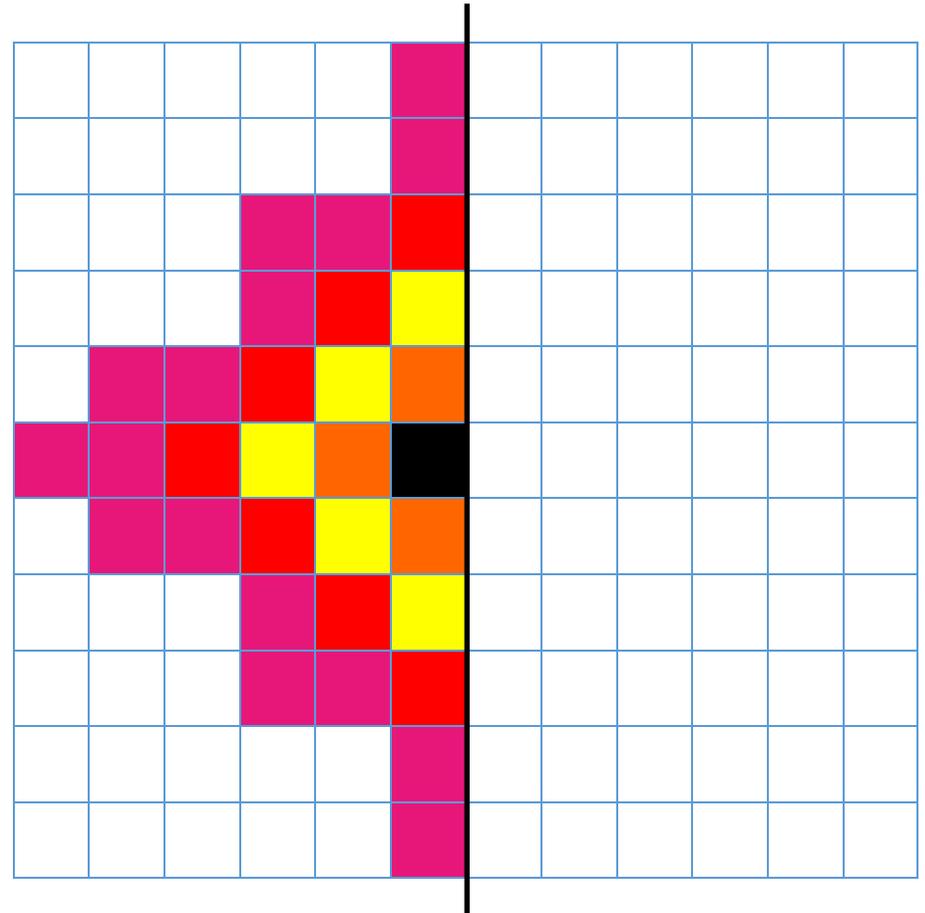
Can you find five different examples of man-made symmetry?

Symmetry can be found in nature too. Take a look outside ...



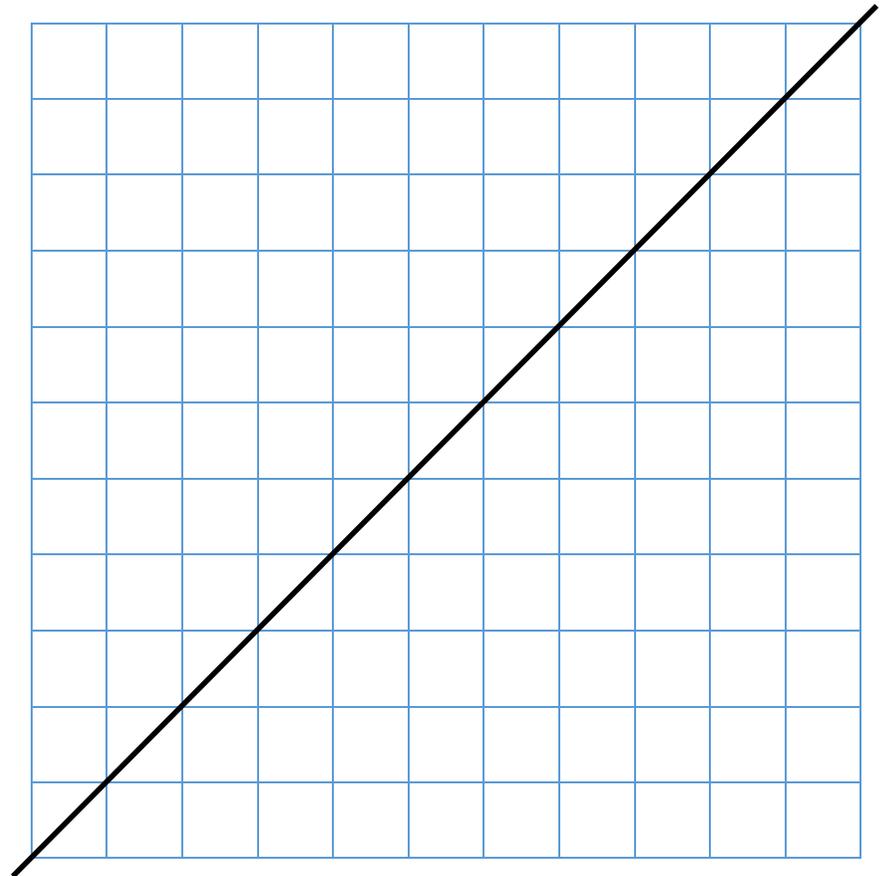
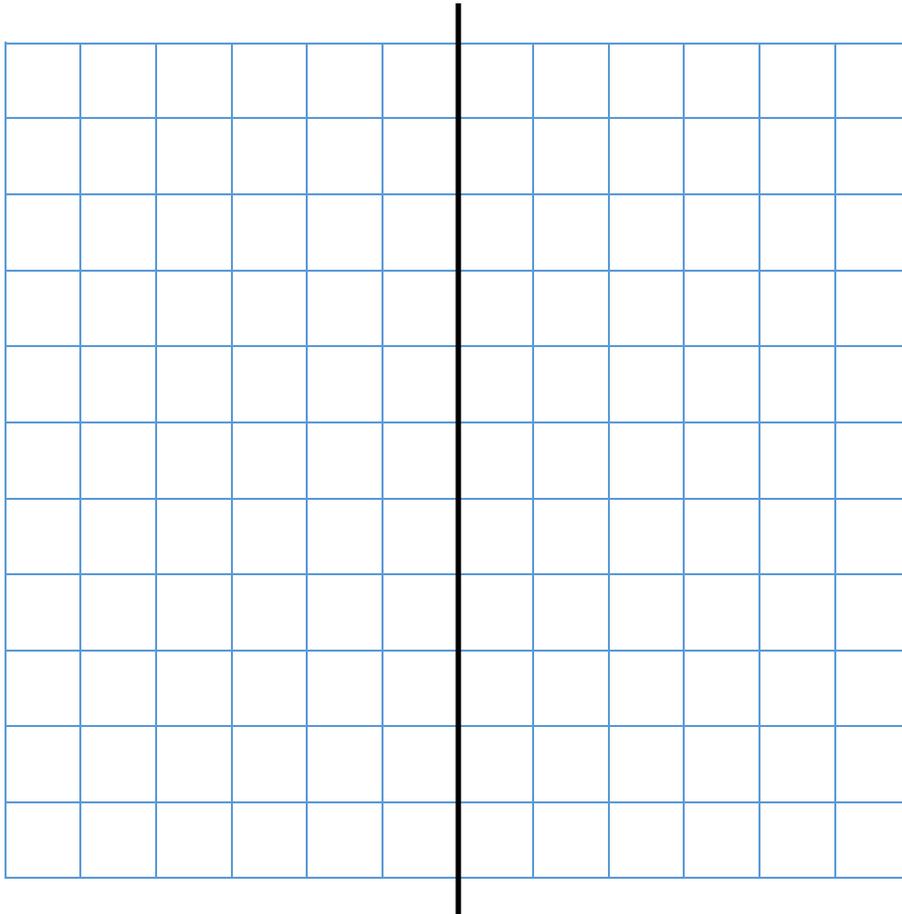
Can you find five different examples of natural symmetry?

Complete the symmetrical pattern





Now, create your own symmetrical patterns



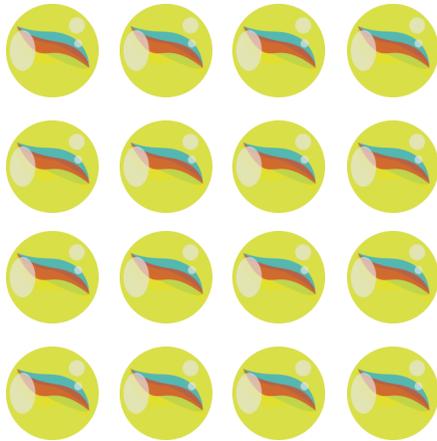


Fun with arrays

Use everyday objects to make arrays.

(An array is a visual representation of a multiplication and is arranged in rows of an equal number).

For example, these 16 marbles show 4×4 or $4 + 4 + 4 + 4$.



Can you arrange 16 items to show a different array?

Write the multiplication fact and the repeated addition for each array.

Let's do this!



Try making arrays using 8, 12 and 24 objects.

Can you spot any patterns? Are there rows with the same number of objects?



Now, make an array with 9, 15 and 27 objects. What do you notice?

Are there any numbers of objects where more than one array cannot be made?

