

Year 4 maths

Aim :- to know and describe and group triangles and quadrilaterals.

Task 3

Look at the types of triangle resource poster – do you remember when we looked at these in the classroom?

Choose 1 of the activities below to complete:

1. Print out the triangles in the sorting triangles resource – follow the instructions to cut and place them into the right place on each sorting grid.
2. Make the different types of triangles using paper strips, clothes pegs, straws or lego. Make several of each type of triangle.

Look at the sorting grids in the sorting triangle resource, make these sorting grids using string or wool on your floor and put your triangles into the right places.

Photograph your work for me to see!

3. Use the online geoboard to make different types of triangle, tell someone in your house which triangles you have made and how you know.

<https://apps.mathlearningcenter.org/geoboard/>

Task 4

Draw a page of different quadrilaterals, remember to use a ruler. – can you name what you have drawn?

Have you managed to draw at least 1 of each type of quadrilateral?

Challenge question – there is only 1 flag in the world that isn't a quadrilateral – which country does it belong to?

Task 5

If you are not confident about different types of triangles and quadrilateral, go back and repeat tasks 3 and 4 again.

If you are feeling confident then have a go at these challenging questions:-

- 1) For each of these quadrilaterals, write the name, number of equal sides, right angles and pairs of parallel sides.



- 2) Draw a quadrilateral with these properties:

- two pairs of equal length sides
- no right angles
- not a parallelogram

What could your quadrilateral be?

What quadrilaterals could you definitely not draw from this description?

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- 1) What do any of these shapes have in common?
What is different about them?



- 2) Use isometric (dotty) paper to investigate how many quadrilaterals you can draw which have:
- only one set of parallel lines;
 - no right angles;
 - all sides of equal length.

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- 1) Bridie says:



I can draw a quadrilateral with only two right angles and three sides of equal length.

Find out if she is correct by drawing or making quadrilaterals to see if any fit her description.

Is she correct?

Can you explain why?

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