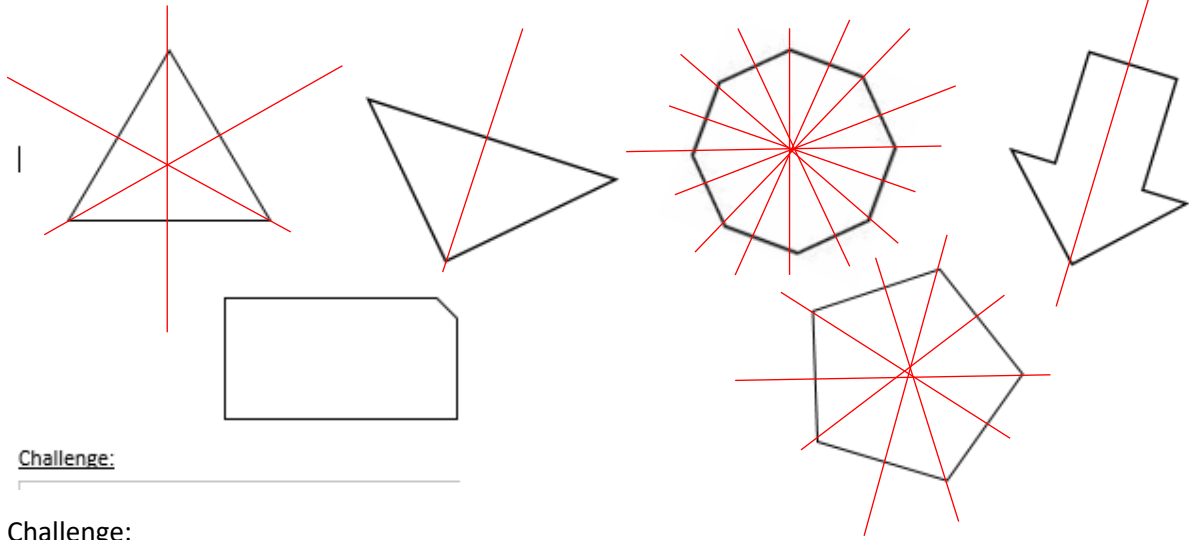


Maths answers 29.6.20

Monday



Challenge:

Challenge:

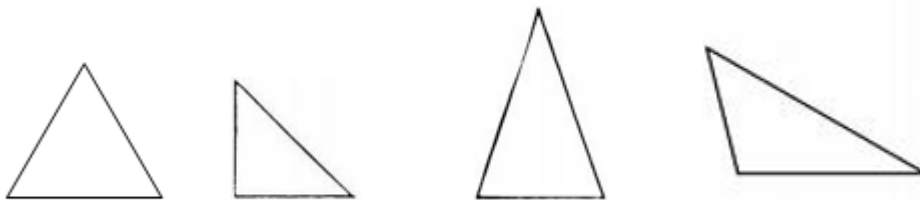
Josef is incorrect. Changing the orientation does not change the lines of symmetry. Children should prove this by drawing shapes in different orientations and identify the same number of lines of symmetry.

Tuesday

1. Sketch a regular polygon with 6 lines of symmetry

2. Sketch an irregular pentagon, how many lines of symmetry does it have?

3. Which triangle has the most lines of symmetry? Equilateral, right-angled, isosceles or scalene?



4. What is this shape and how many lines of symmetry does it have?



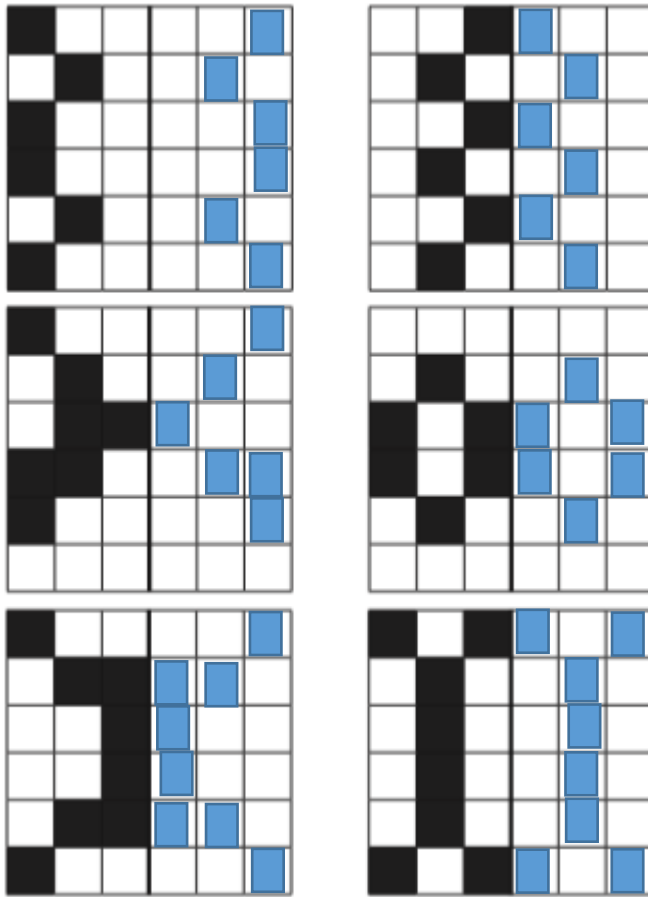
Challenge:

Sometimes.

You must prove this with examples!

1. This should be a hexagon with all sides the same length.
2. This should be a shape with 5 sides but they do not all have to be the same length. It could have varied lines of symmetry or none.
3. Equilateral with 3 lines of symmetry.
4. It is a hexagon and has no lines of symmetry.

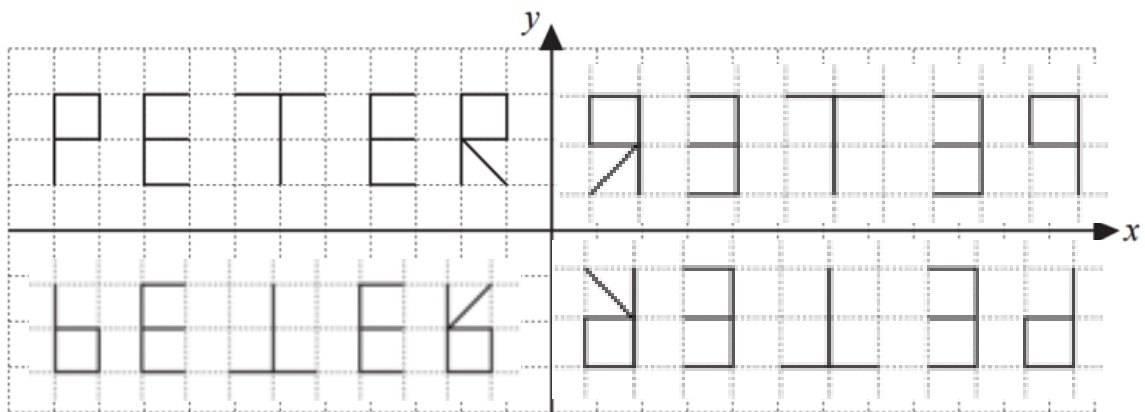
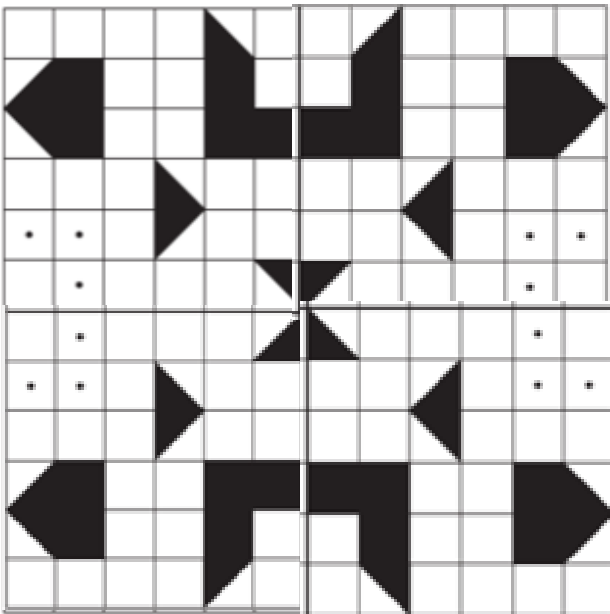
Wednesday



Challenge:

Anusha is partially correct. Depending on where the line of symmetry is will depend on whether sides are doubles or extended. If sides are extended this does not necessarily double the given number of sides.

Thursday



Challenge:

Children will find a variety of shapes.
For example: