

Set: Wednesday 18th April **Due in:** Monday 23rd April

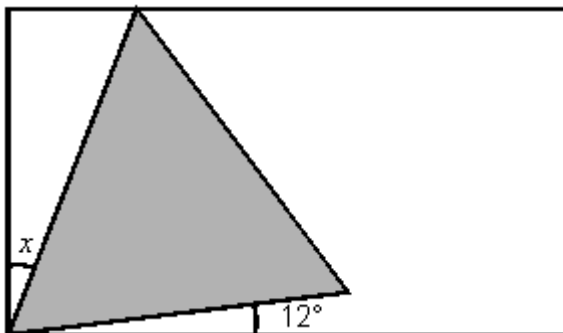
Mrs Guy's group

This week we have been revisiting angles and polygons

To support our learning this week, we would like the children to complete the following activities

Your child will also have a list of topics that they wish to revise using the Rising Stars revision guide. Our rock star times tables focus for next week will be the 6, 7 and 9 times tables.

Q1. Here is an **equilateral triangle** inside a **rectangle**.

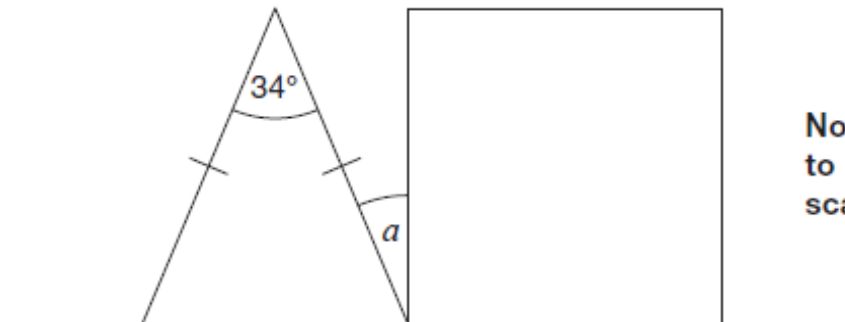


Not to scale

Calculate the value of angle **x**.

Do **not** use a protractor

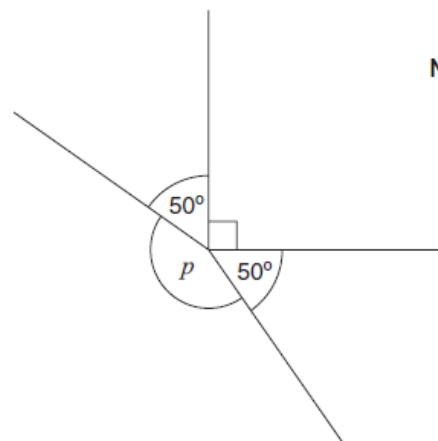
Q2. The diagram shows an isosceles triangle and a square on a straight line.



Not to scale

Calculate angle α .

Q3. Calculate the size of angle p in the diagram.



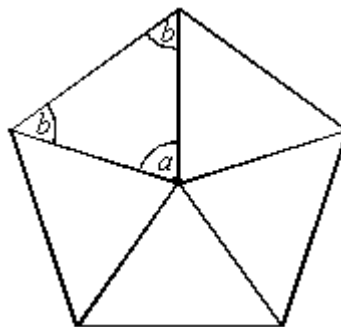
Not to scale

Q4. Turning triangles – task 1

- (a) This regular pentagon is made from 5 isosceles triangles that fit together around a point.

The triangles fit with no gaps and no overlaps.

Work out the angles in one of the triangles.



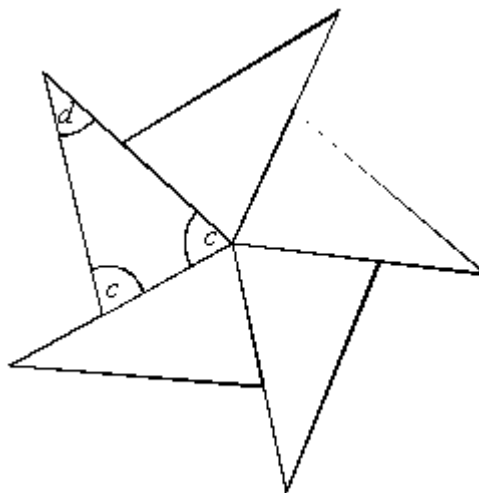
- (b) A regular decagon can be made from 10 isosceles triangles that fit together around a point with no gaps and no overlaps.

Work out the angles in one of these triangles.

Q5 Turning triangles – task 2

- (a) Isosceles triangles can fit together around a point in a different way to make 'windmill' patterns. The triangles fit with no gaps and no overlap.

Work out the angles in the triangle.



Parent feedback

