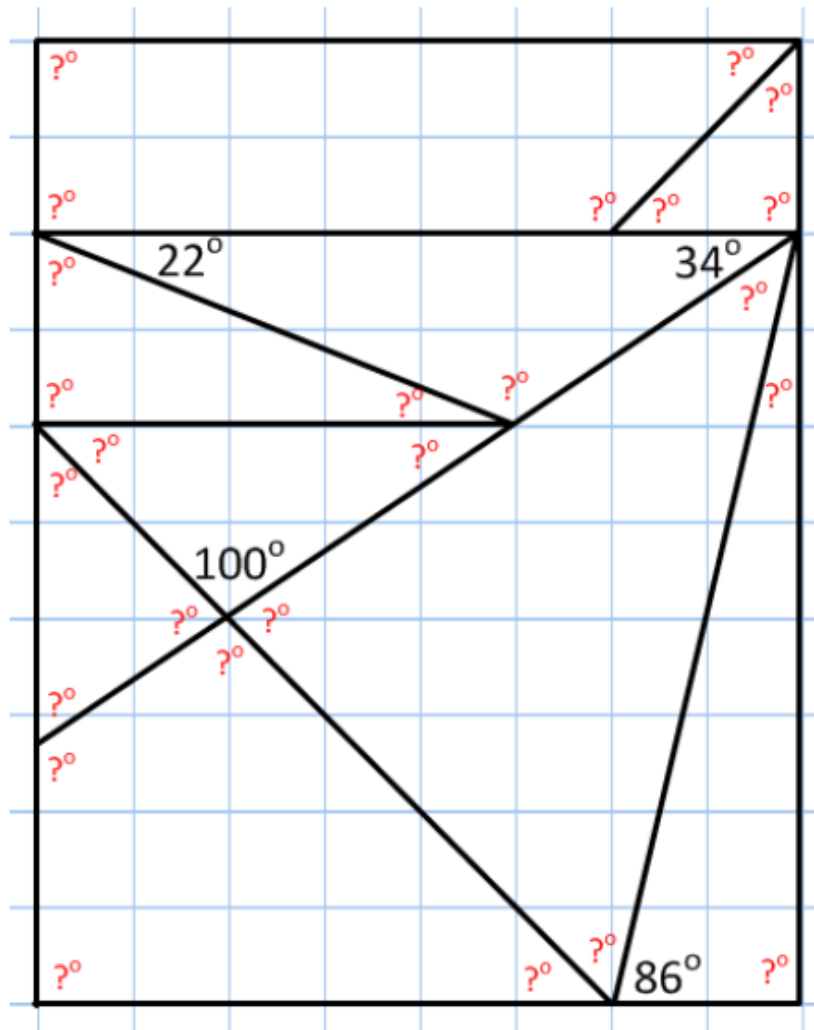


## Calculating Angles

### Identify All Angles

- The internal angles of a triangle total  $180^\circ$ .
- The internal angles of a quadrilateral total  $360^\circ$ .
- **Without** using a protractor, identify all the missing angles in this diagram.

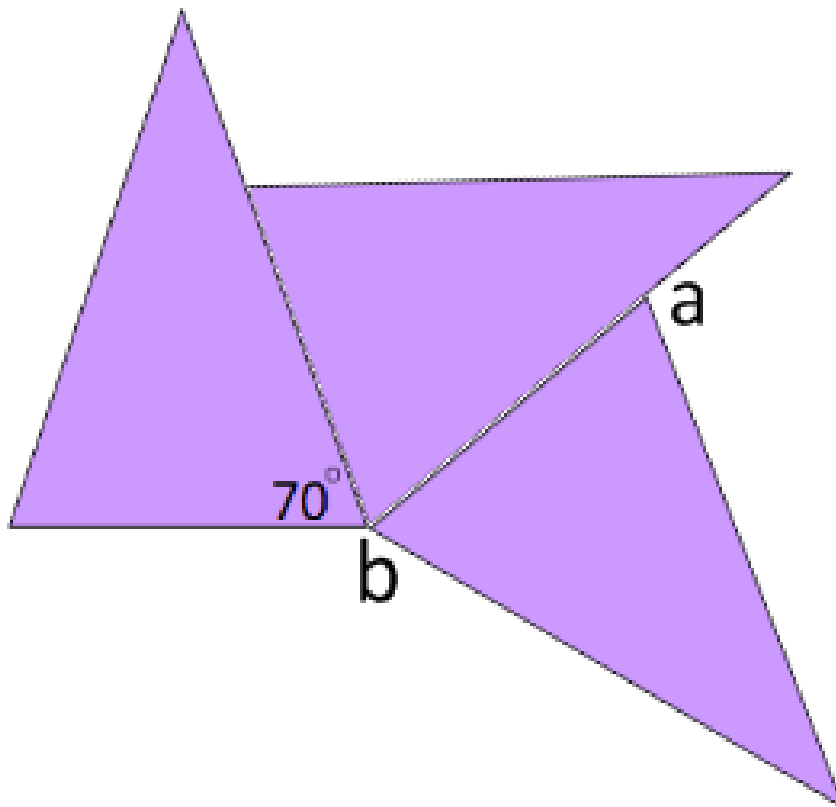


- Decide the order in which you will identify the angles
- Write the angle size in each angle next to the ?

**For an extra challenge – complete the problem on the next page.**

This diagram shows three identical isosceles triangles.

Calculate the size of angle **a** and angle **b**.



Draw your own isosceles triangle on card, cut it out and use it as a template to make a similar diagram.

Calculate the size of angle **a** and angle **b**.

Check your calculations with a protractor.