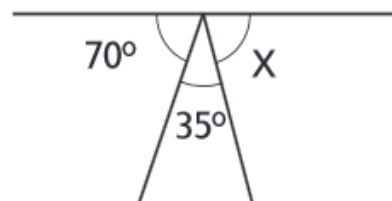
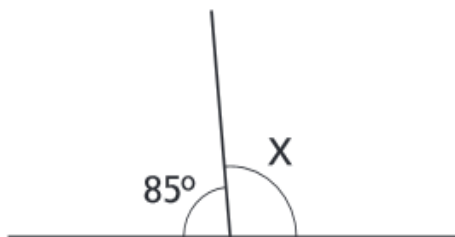
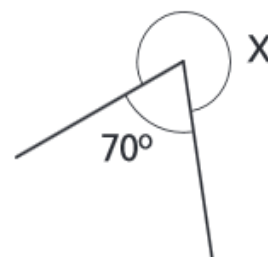
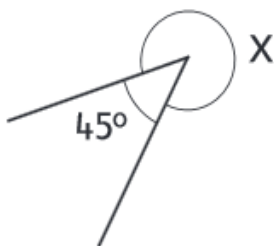
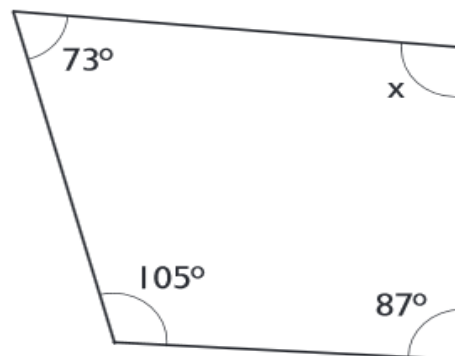
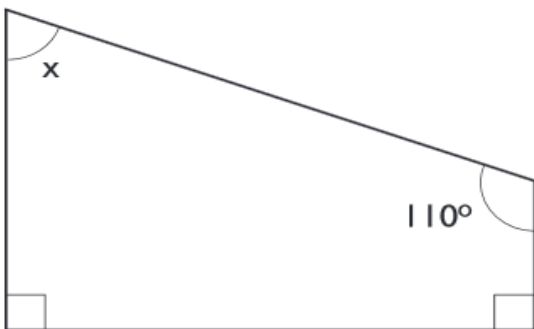
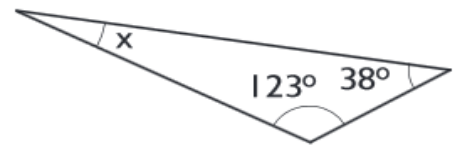
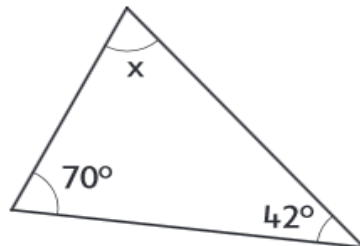
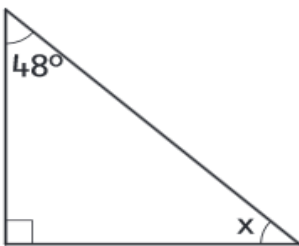


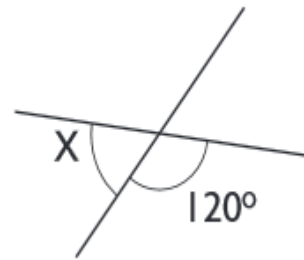
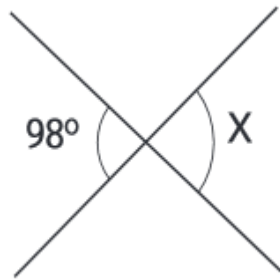
Main

Calculate the missing angles in each of the shapes below. You will need to know the following facts to do this:

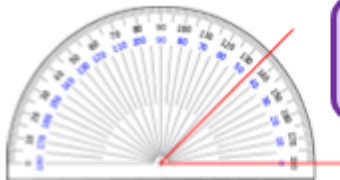
1. Angles in a triangle add up to 180° .
2. Angles in a quadrilateral (four-sided shape) add up to 360° .
3. Angles on a straight line add up to 180° .
4. Angles in a full turn should add up to 360° .



Extension:



Three children are measuring angles. Can you spot and explain their mistake?



My angle measures 135°

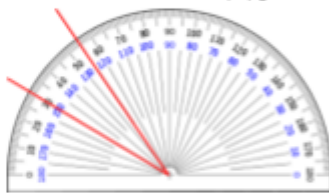


Mo

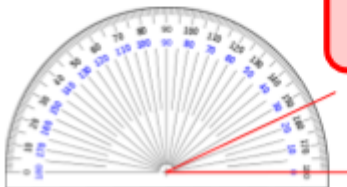
My angle measures 55°



Dora

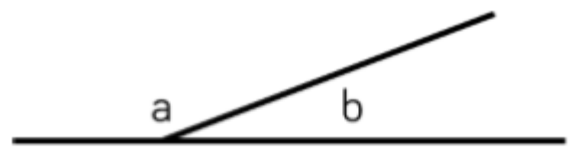


My angle measures 35°



Alex

Here are two angles.



Angle b is a prime number between 40 and 50

Use the clue to calculate what the missing angles could be.

Jack is measuring two angles on a straight line.

My angles measure 73° and 108°



Explain why at least one of Jack's angles must be wrong.