

Mathematics

# Calculating angles within a shape 1: triangles

Mr Kelsall



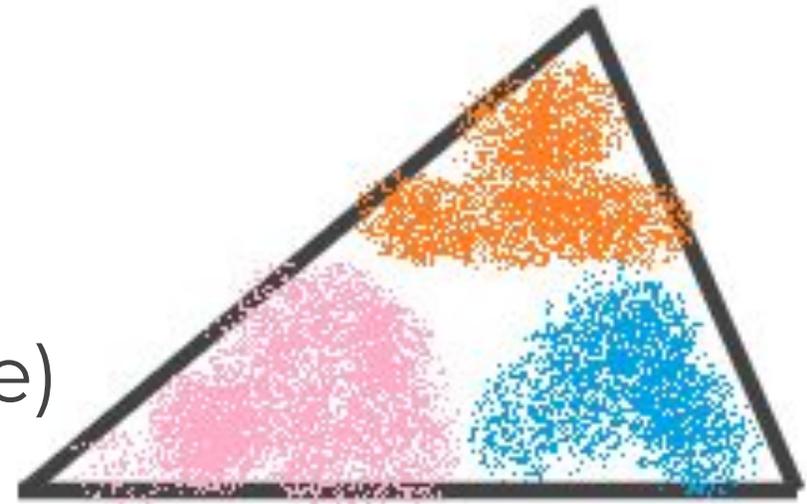
# New learning: angles in a triangle

A right angle is  $90^\circ$

Angles on a straight line add up to  $180^\circ$   
(2 right angles)

Angles around a point add up to  $360^\circ$   
(4 right angles)

Angles in a triangle add up to  $180^\circ$   
(rip corners to become straight line)

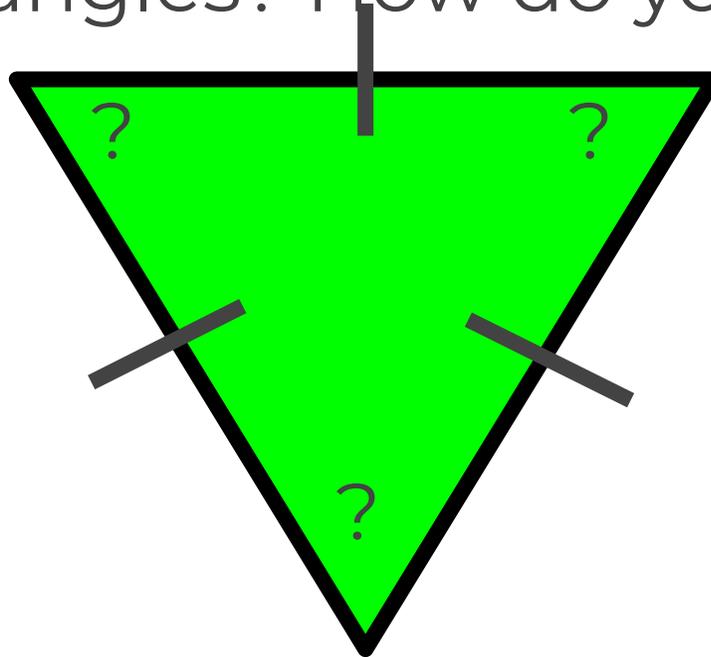


# New learning: angles in a triangle

Angles in a triangle add up to  $180^\circ$

Angles on a straight line add up to  $180^\circ$

What are the missing angles? How do you know?

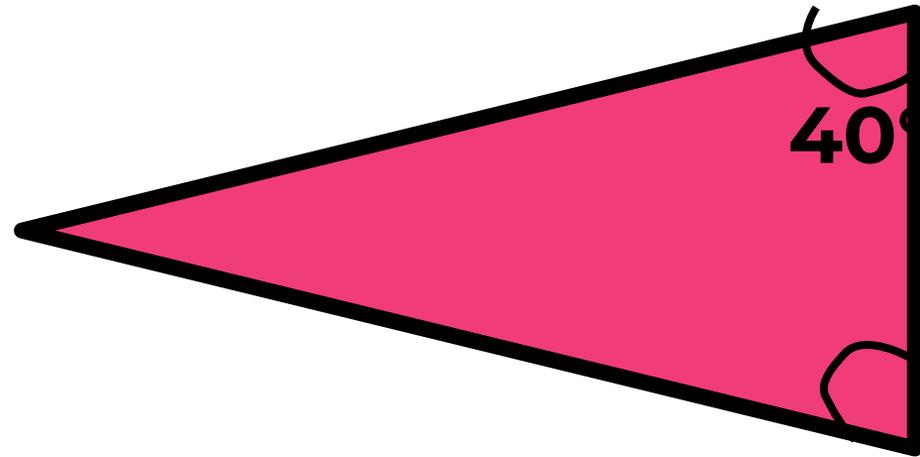


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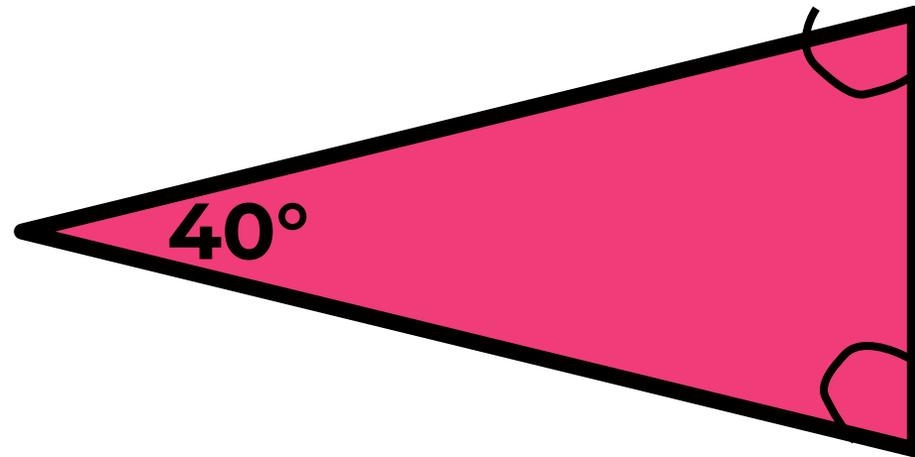


# New learning: angles in a triangle

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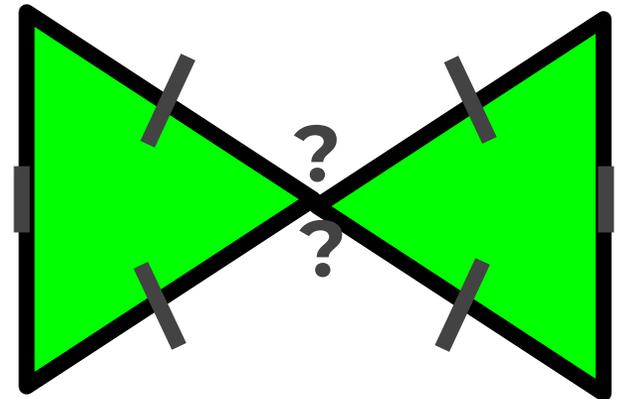
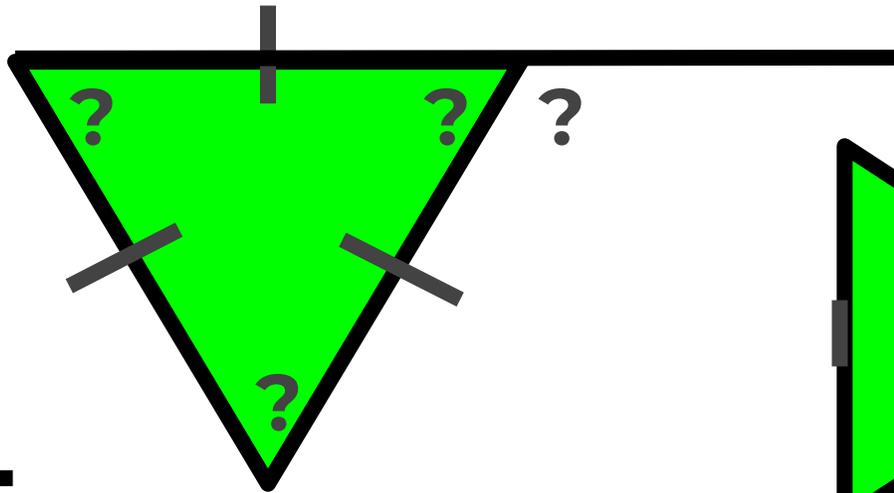
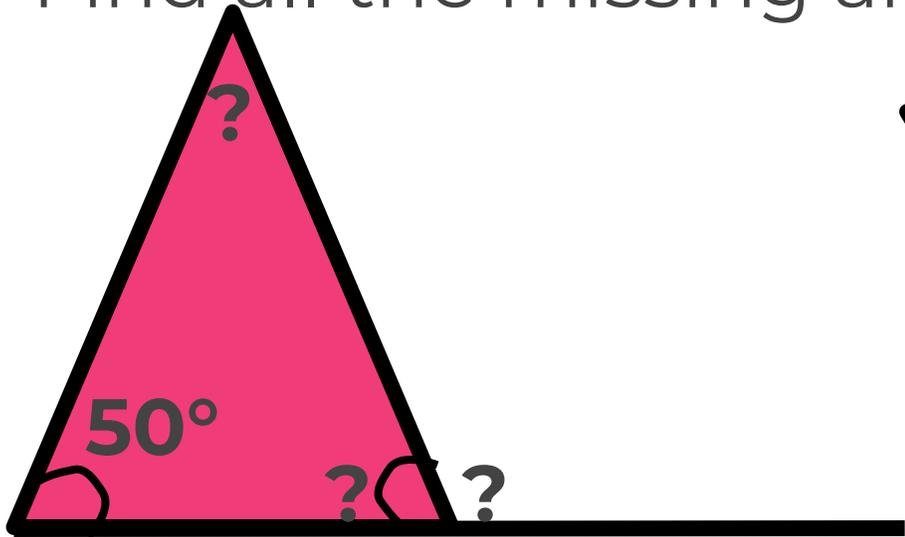


# Develop learning: angles in a triangle

Angles in a triangle add up to  $180^\circ$

Angles on a straight line add up to  $180^\circ$

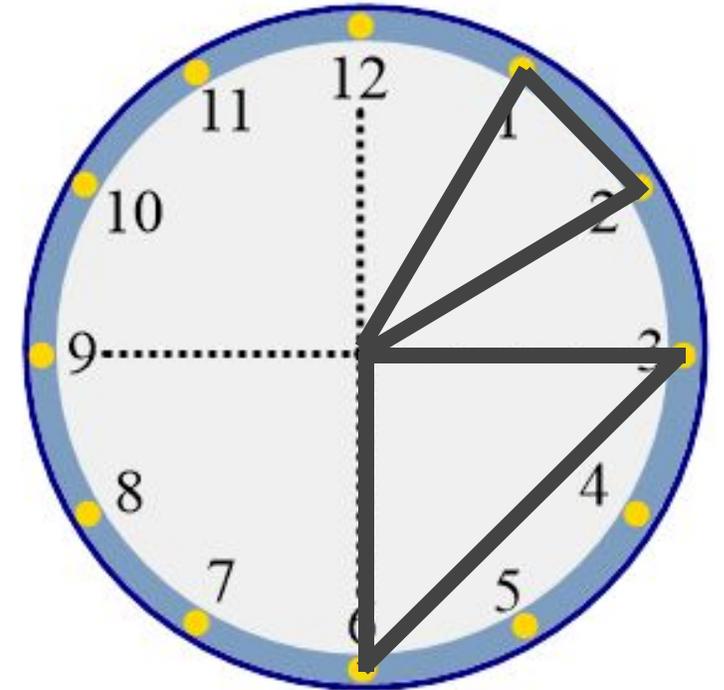
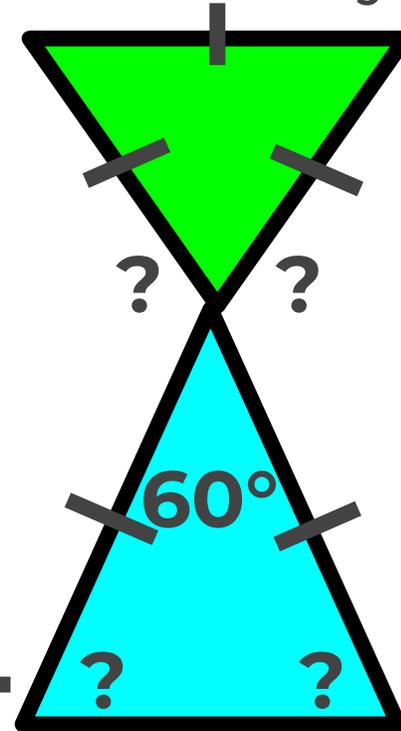
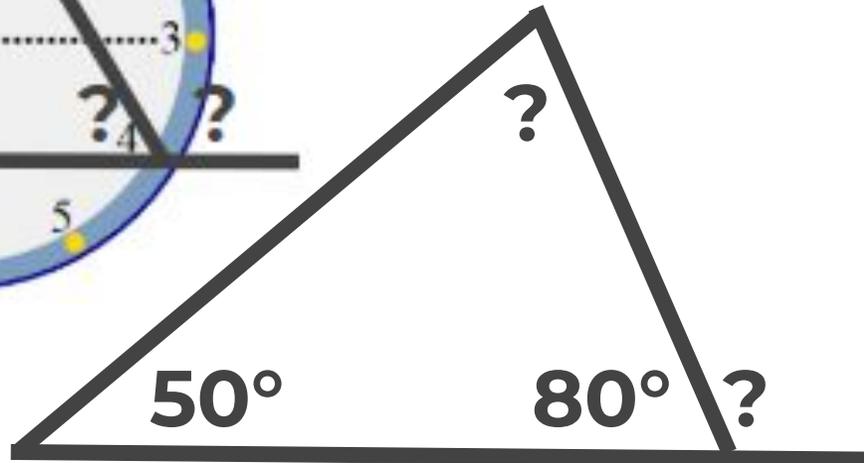
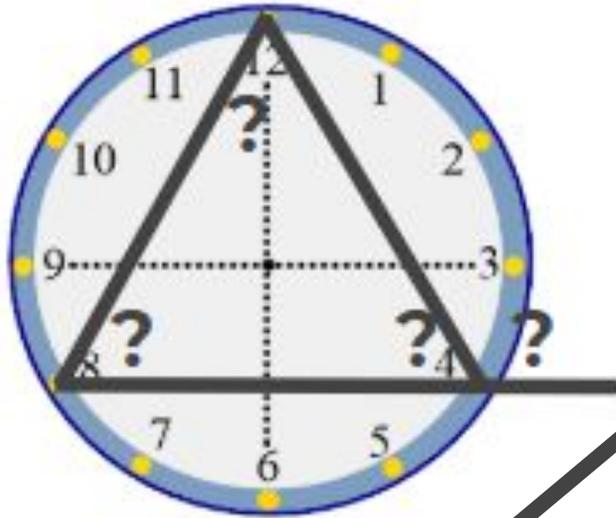
Find all the missing angles? How do you know?



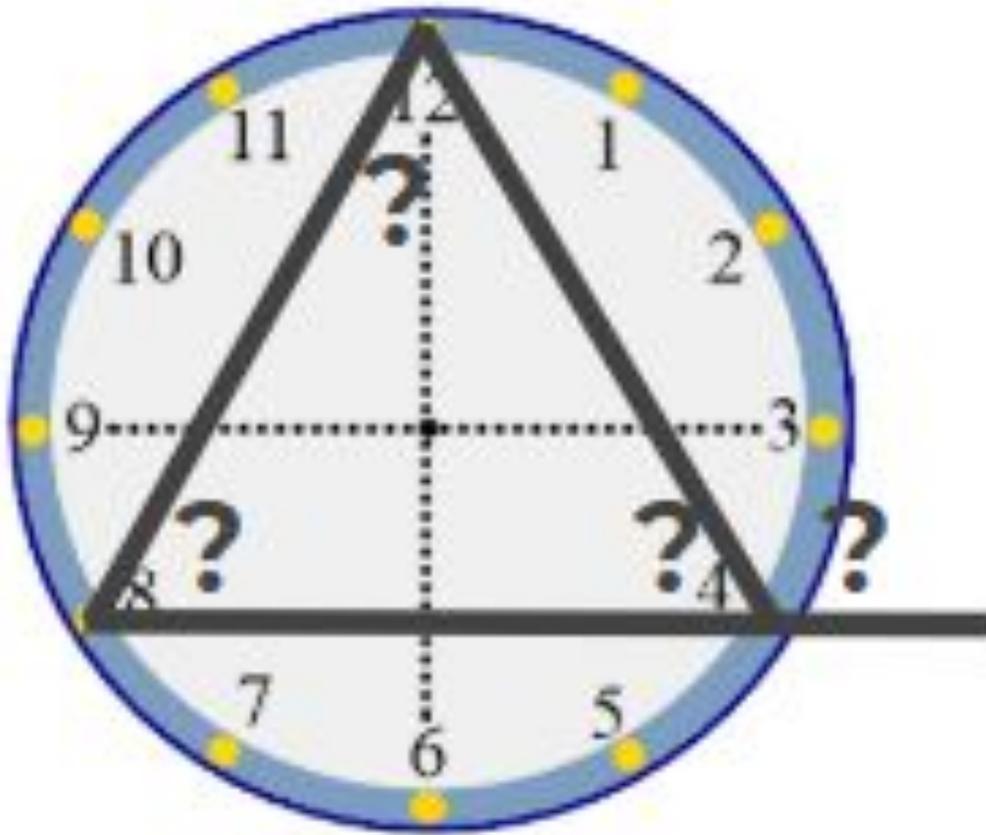
# Independent task: angles in a triangle

triangle =  $180^\circ$ ; straight line =  $180^\circ$

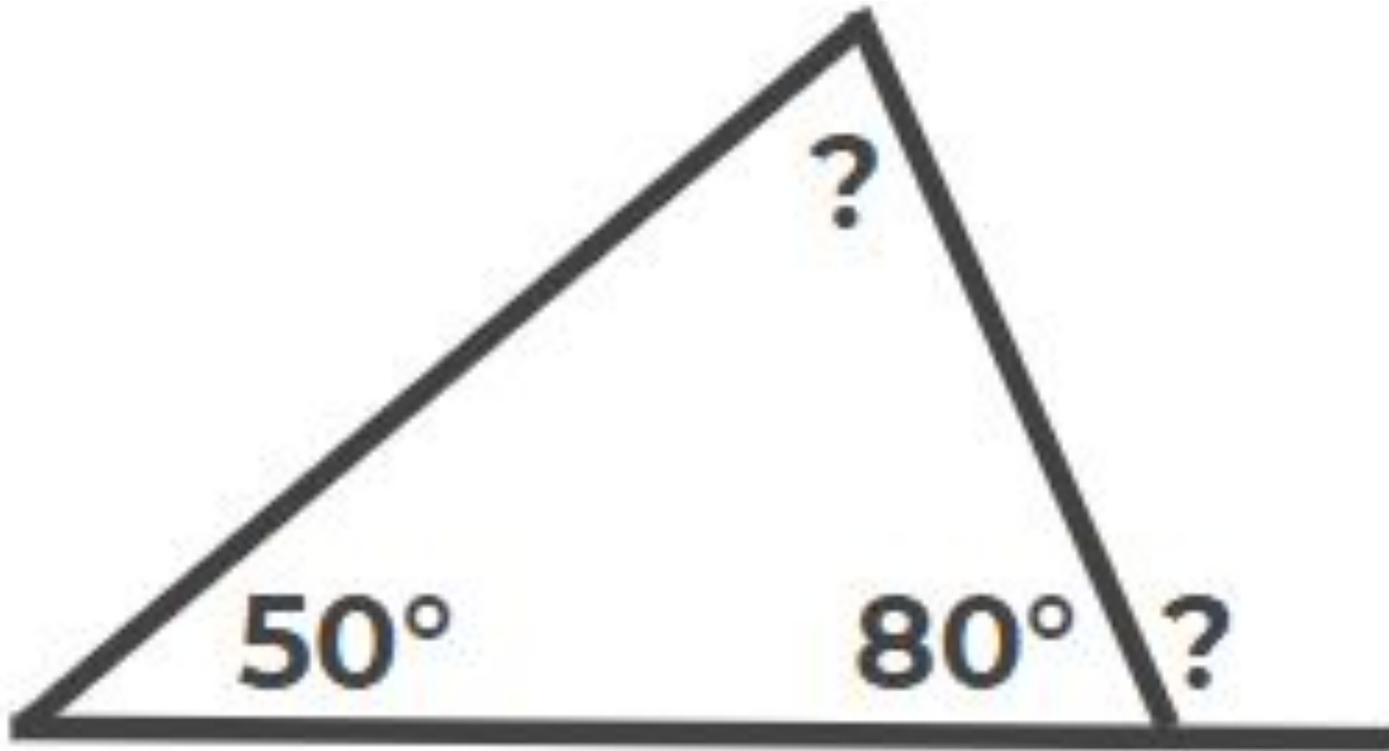
Find all the missing angles? How do you know?



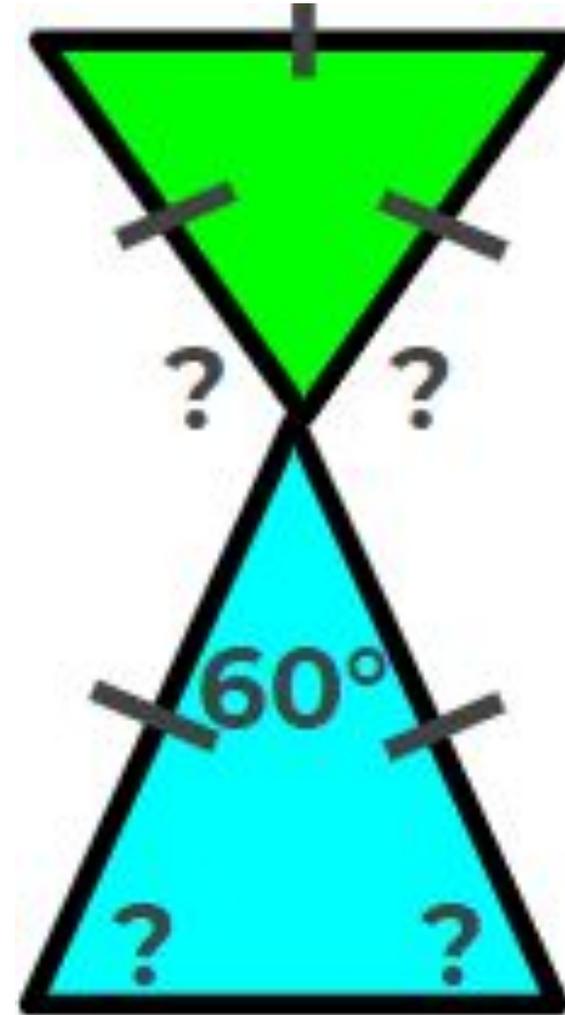
# Independent task: angles in a triangle



# Independent task: angles in a triangle



# Independent task: angles in a triangle



# Independent task: angles in a triangle

