

Angles in shapes

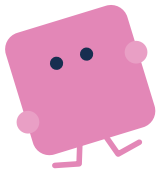
Question 1

Are these statements always true, sometimes true or never true?
How do you know?

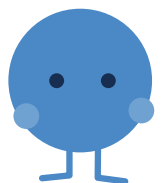
The angles in a quadrilateral add up to 540° .



One of the angles in a scalene triangle is obtuse.



The angles in a triangle add up to 180° .

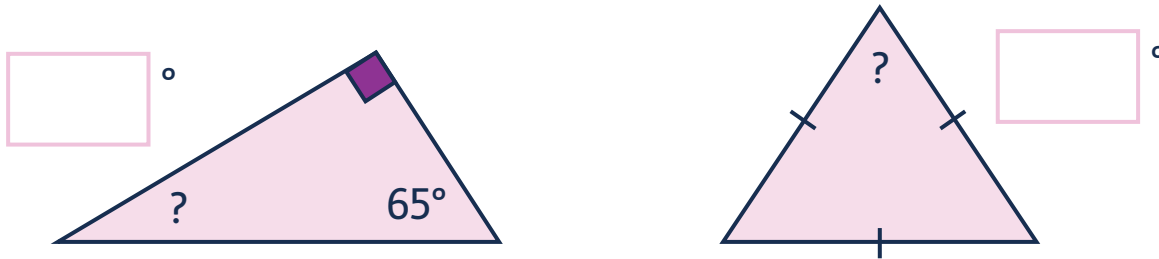
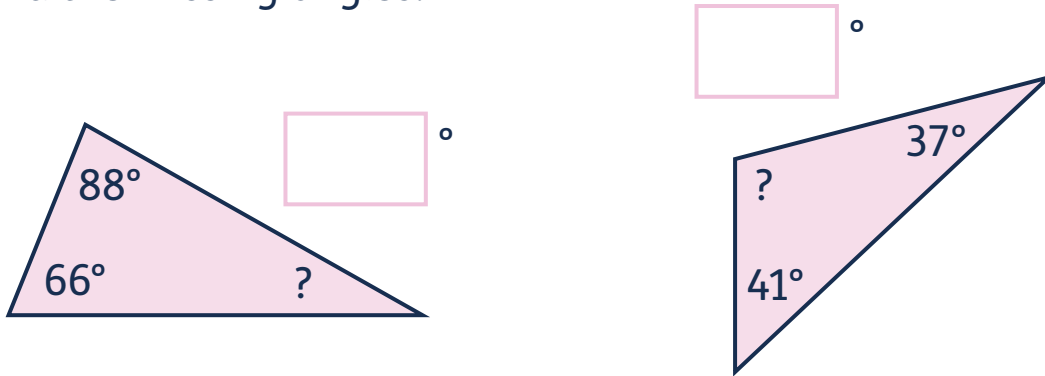




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Question 2

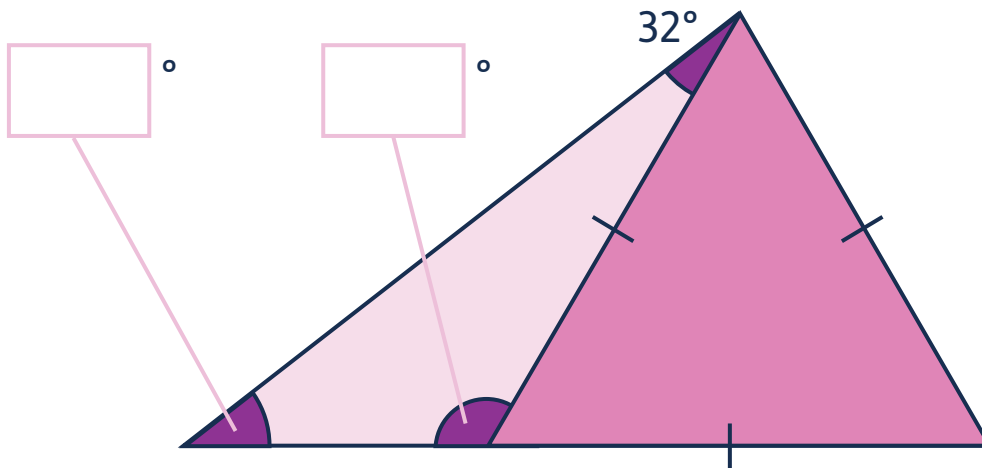
Can you find the missing angles?



Not drawn to scale

Question 3

Can you calculate the missing angles?



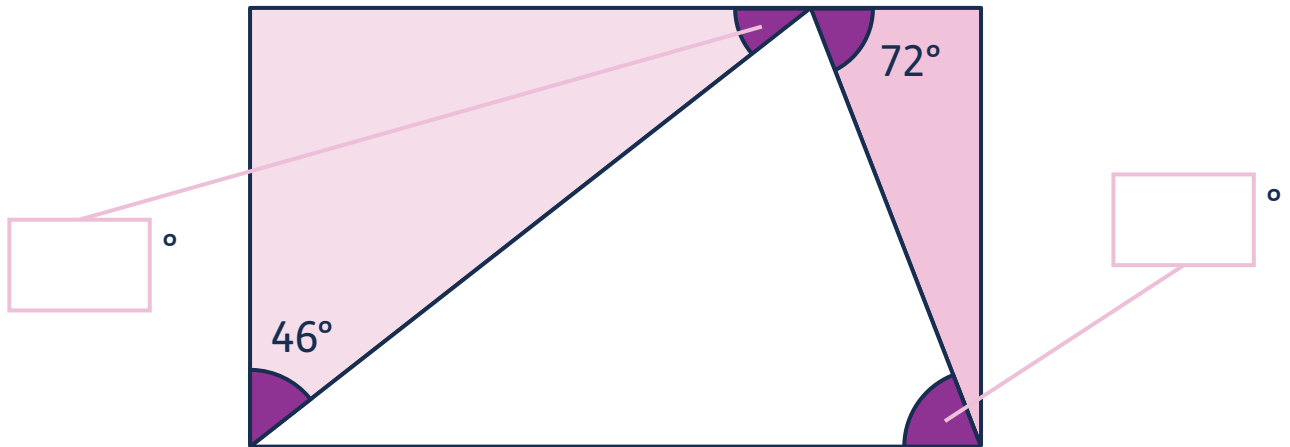
Not drawn to scale



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Question 4

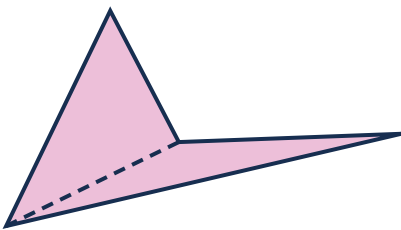
Can you calculate the missing angles?



Not drawn to scale

Question 5

Can you partition these shapes into triangles and complete these sentences?



This is a **quadrilateral**.

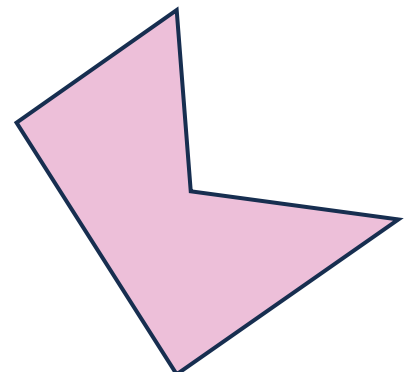
It can be split into **two** triangles.

The interior angles in this shape add up to **360°**.

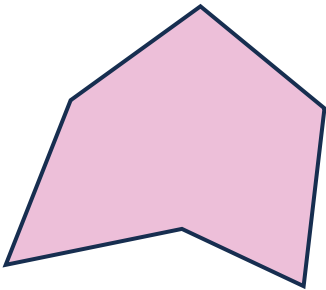
This is a _____.

It can be split into _____ triangles.

The interior angles in this shape add up to _____°.



Angles in shapes



This is a _____ .

It can be split into _____ triangles.

The interior angles in this shape add up to _____°.

What do you call a shape with 7 sides?

How many triangles can you partition that shape into?

What do the interior angles in this shape add up to?

