Types of Triangle

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Quality Standard
Approved

Aim

- To identify and discuss different types of triangle.

Success Criteria

- To name different equilateral, isosceles, scalene and right-angled triangles.
- To describe the properties of different types of triangle.

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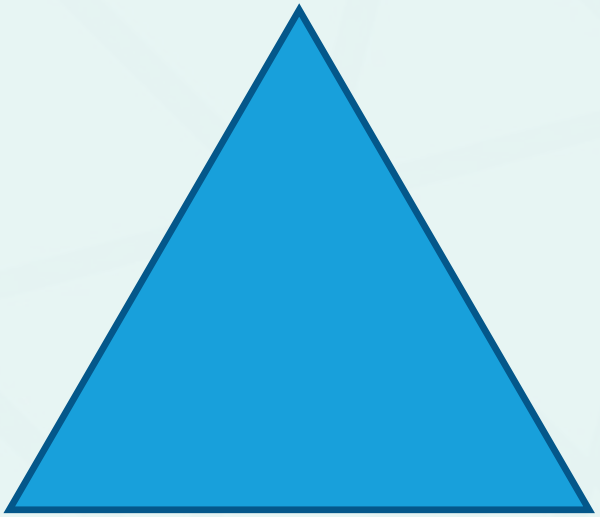
What Is a Triangle?

a 3-sided shape



all its sides are straight

a 2D shape

has 3 **interior angles*** that add up to 180°

*the angles inside the shape

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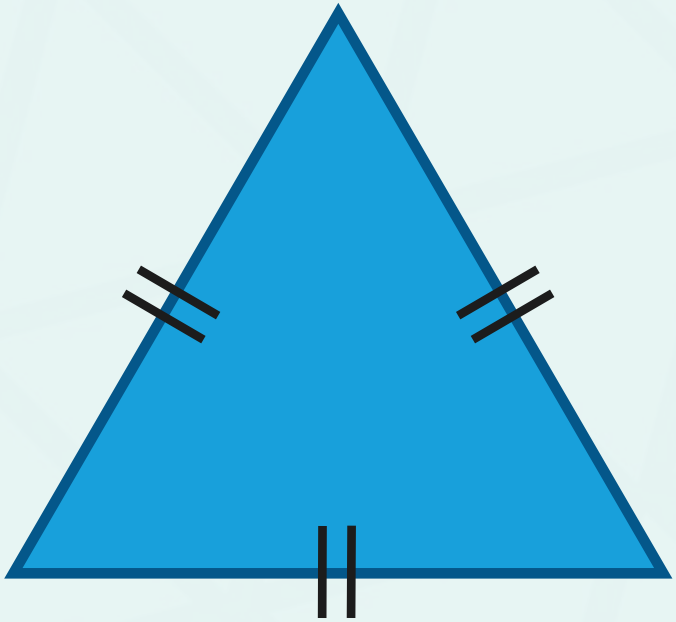
Equilateral Triangle

Do you think you know any properties of equilateral triangles?
What do you think **equilateral** means?



Has 3 equal sides.

All its interior angles are the same.

If the angles in a triangle add up to 180°, what must each interior angle in an equilateral triangle be?

60°

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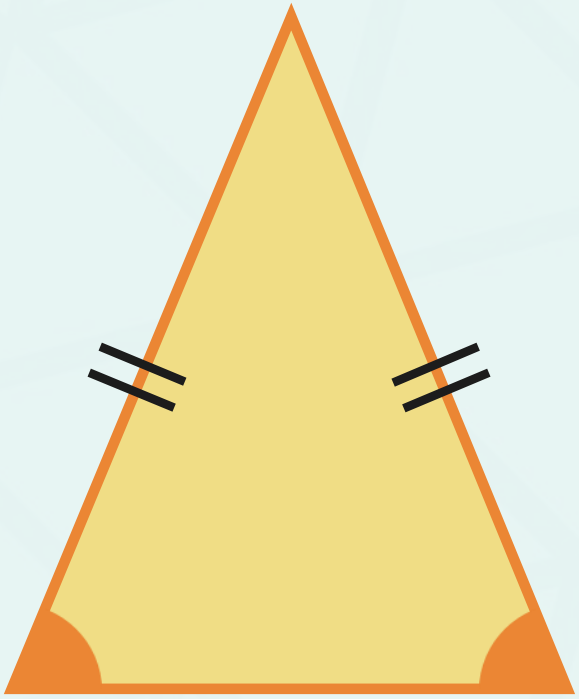
Isosceles Triangle

Do you think you know any properties of isosceles triangles?



They have 2 equal sides.

They have 2 interior angles that are the same. These are called the base angles.

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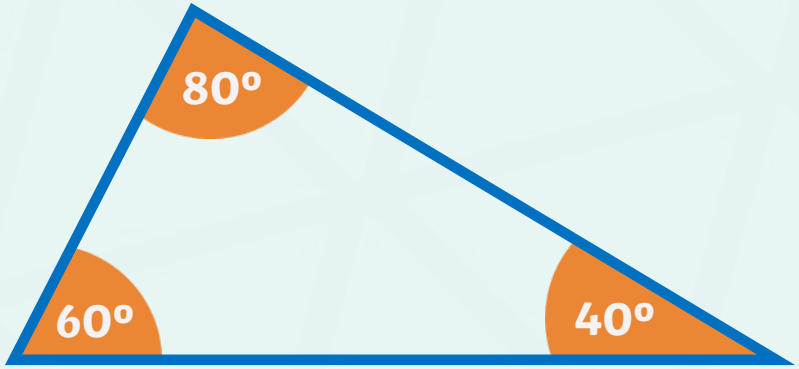
Scalene Triangle

Do you think you know any properties of scalene triangles?



All of its sides are different lengths.

All of its interior angles are different – but they still add up to 180°.

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Right-Angled Triangle

Do you think you know any properties of right-angled triangles?

One of the angles is a right angle = 90°.

The other two angles will add up to 90°

The longest side of a right-angled triangle is called the hypotenuse.

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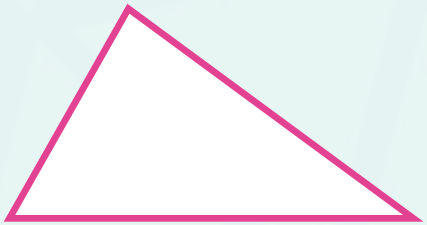
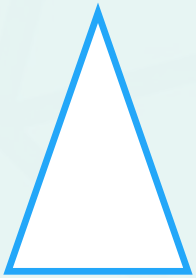
Can You Identify These Triangles?

Do you think you know any properties of right-angled triangles?

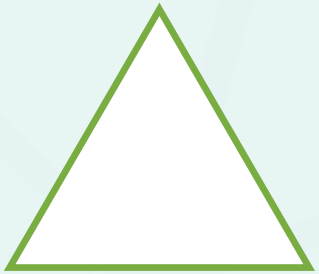


scalene

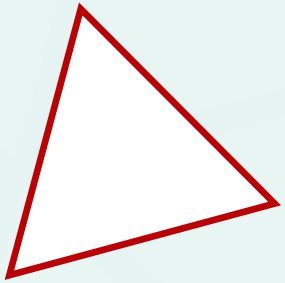
right-angled



isosceles



equilatera l



equilateral

right-angled

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What Am I?

Each of my interior angles measure 60°. What am I?

I am an equilateral triangle.

The lengths of all my three sides are different. What am I?

I am a scalene triangle.

My interior angles measure 43°, 65° and 72°. What am I?

I am a scalene triangle.

I have 2 equal sides and 2 equal angles. What am I?

I am an isosceles triangle.

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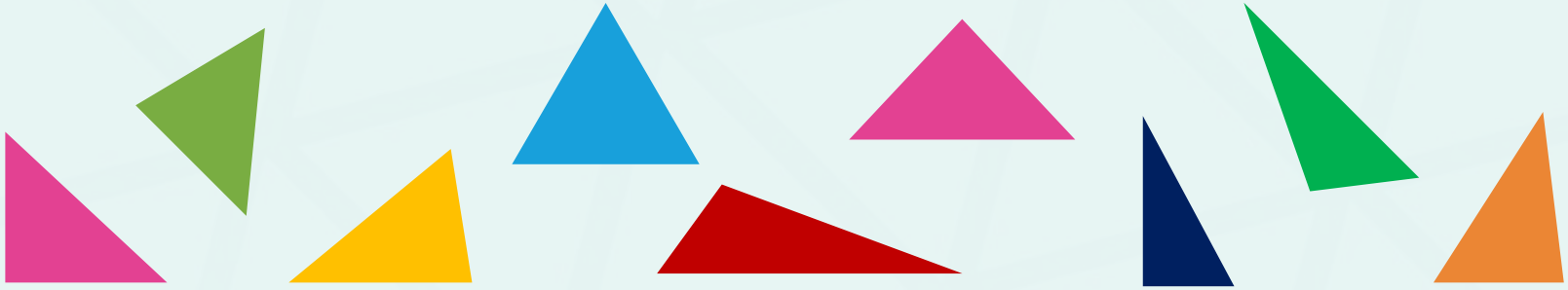
Sorting Triangles

	Isosceles	Scalene
Right-angled		
Not Right-angled		



Click on the shapes to see where they belong.

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