Triangles

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| --- | --- |
| http://www.mathsisfun.com/images/style/right-arrow.gif | A triangle has three sides and three angles  |
| http://www.mathsisfun.com/images/style/right-arrow.gif | The three angles always add to 180° |

Equilateral, Isosceles and Scalene

There are three special names given to triangles that tell how many sides (or angles) are equal.

There can be **3**, **2** or **no** equal sides/angles:

|  |  |
| --- | --- |
| Equilateral Triangle | Equilateral Triangle**Three** equal sides **Three** equal angles, always 60° |
| Isosceles Triangle | Isosceles Triangle**Two** equal sides **Two** equal angles |
| Scalene Triangle | Scalene Triangle**No** equal sides **No** equal angles |

What Type of Angle?

Triangles can also have names that tell you what **type of angle** is inside*:*

|  |  |
| --- | --- |
| Acute Triangle | Acute TriangleAll angles are less than 90° |
| Right Triangle | Right TriangleHas a right angle (90°) |
| Obtuse Triangle | Obtuse TriangleHas an angle more than 90° |

Combining the Names

Sometimes a triangle will have two names, for example:

|  |  |
| --- | --- |
| Right Isosceles Triangle | Right Isosceles TriangleHas a right angle (90°), and also two equal anglesCan you guess what the equal angles are? |