



# Comparing Triangles

I know the name and properties of different types of triangle.



Draw, name and describe the triangles.

|  |  |  |
|--|--|--|
|  |  |  |
| This is an _____ triangle.<br>It has 3 _____ sides.      | This is an _____ triangle.<br>It has 2 _____ sides.  | This is a _____ triangle.<br>All 3 sides are _____.  |
|  |  |  |
| This is an _____ triangle.<br>It has 3 _____ angles.     | This is an _____ triangle.<br>It has 2 _____ angles.   | This is a _____ triangle.<br>All 3 angles are _____. |
|  | <p><b>Word Bank</b></p> <p>equilateral                      triangle                      90°</p> <p>isosceles                          equal</p> <p>right-angled                      different</p> <p>scalene                              right angle</p> |  |
| This is a _____ triangle.<br>One of the angles is _____. |  |  |



# Comparing Triangles

I know the name and properties of different types of triangle.



Sort the triangles into the correct sorting box. Then write a mathematical fact for each type of triangle.

|   |  |
|---|--|
| <p><b>Equilateral Triangles</b></p><br><br><br><br><br><br><br><p>Fact:</p> | <p><b>Right-Angled Triangles</b></p><br><br><br><br><br><br><br><p>Fact:</p> |
| <p><b>Isosceles Triangles</b></p><br><br><br><br><br><br><br><p>Fact:</p>   | <p><b>Scalene Triangles</b></p><br><br><br><br><br><br><br><p>Fact:</p>      |

**Triangles**



# Comparing Triangles

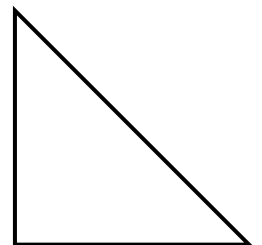
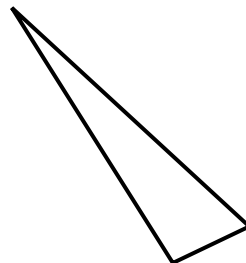
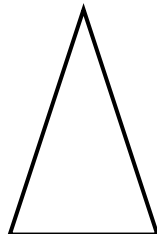
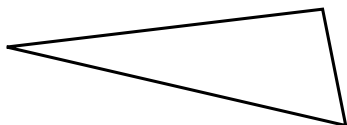
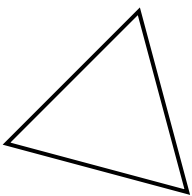
I know the name and properties of different types of triangle.



Sort the triangles into the correct box. Then name and write a mathematical fact for each triangle.

|                | An Obtuse Angle | No Obtuse Angle |
|----------------|-----------------|-----------------|
| A Right Angle  |                 |                 |
| No Right Angle |                 |                 |

Triangles



## Word Bank

Equilateral

Isosceles

Scalene

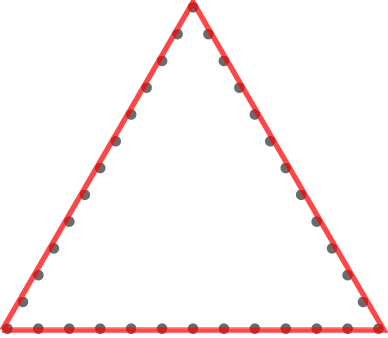
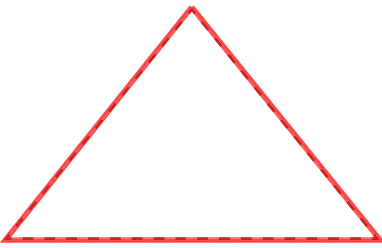
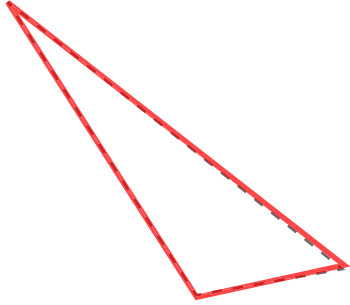
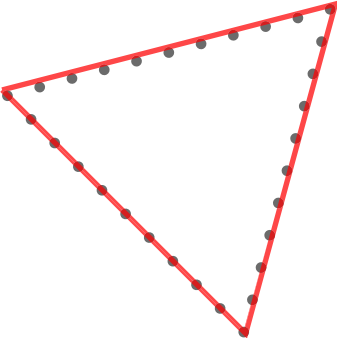
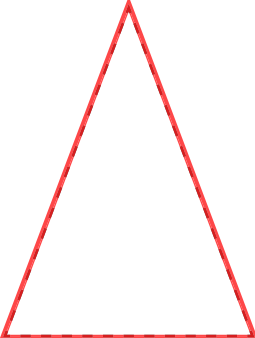
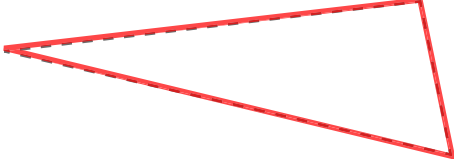
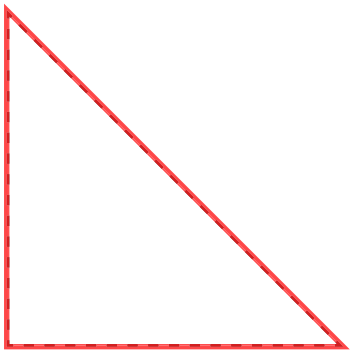
Right-Angled



# Comparing Triangles

## Answers

Draw, name and describe the triangles.

|   |   |   |             |          |     |           |       |  |              |           |  |         |             |  |
|---|---|---|-------------|----------|-----|-----------|-------|--|--------------|-----------|--|---------|-------------|--|
|    |    |    |             |          |     |           |       |  |              |           |  |         |             |  |
| This is an <u>equilateral</u> triangle.<br>It has 3 <u>equal</u> sides.             | This is an <u>isosceles</u> triangle.<br>It has 2 <u>equal</u> sides.   | This is a <u>scalene</u> triangle.<br>All 3 sides are <u>different</u> .              |             |          |     |           |       |  |              |           |  |         |             |  |
|   |   |  |             |          |     |           |       |  |              |           |  |         |             |  |
| This is an <u>equilateral</u> triangle.<br>It has 3 <u>equal</u> angles.            | This is an <u>isosceles</u> triangle.<br>It has 2 <u>equal</u> angles.  | This is a <u>scalene</u> triangle.<br>All 3 angles are <u>different</u> .             |             |          |     |           |       |  |              |           |  |         |             |  |
|  | <p><b>Word Bank</b></p> <table border="0"> <tbody> <tr> <td>equilateral</td> <td>triangle</td> <td>90°</td> </tr> <tr> <td>isosceles</td> <td>equal</td> <td></td> </tr> <tr> <td>right-angled</td> <td>different</td> <td></td> </tr> <tr> <td>scalene</td> <td>right angle</td> <td></td> </tr> </tbody> </table> |   | equilateral | triangle | 90° | isosceles | equal |  | right-angled | different |  | scalene | right angle |  |
| equilateral   | triangle  | 90°   |             |          |     |           |       |  |              |           |  |         |             |  |
| isosceles   | equal   |   |             |          |     |           |       |  |              |           |  |         |             |  |
| right-angled  | different   |   |             |          |     |           |       |  |              |           |  |         |             |  |
| scalene   | right angle   |   |             |          |     |           |       |  |              |           |  |         |             |  |
| This is a <u>right-angled</u> triangle.<br>One of the angles is <u>90°</u> .        |   |   |             |          |     |           |       |  |              |           |  |         |             |  |

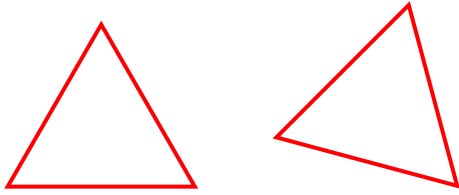


# Comparing Triangles

## Answers

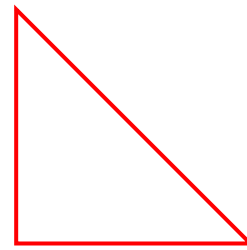
Sort the triangles into the correct sorting box. Then write a mathematical fact for each type of triangle.

### Equilateral Triangles



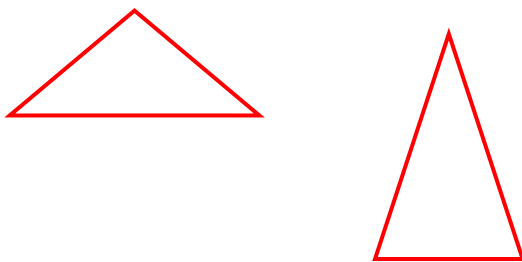
Fact: They have 3 equal sides, they have 3 equal angles.

### Right-Angled Triangles



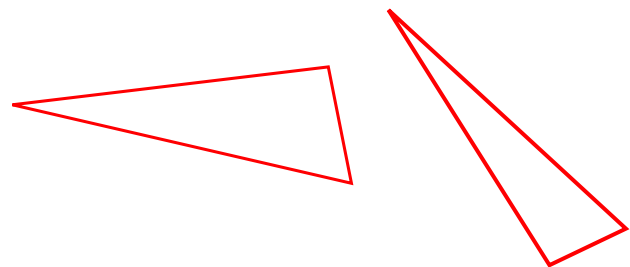
Fact: One of its angles is  $90^\circ$ .

### Isosceles Triangles



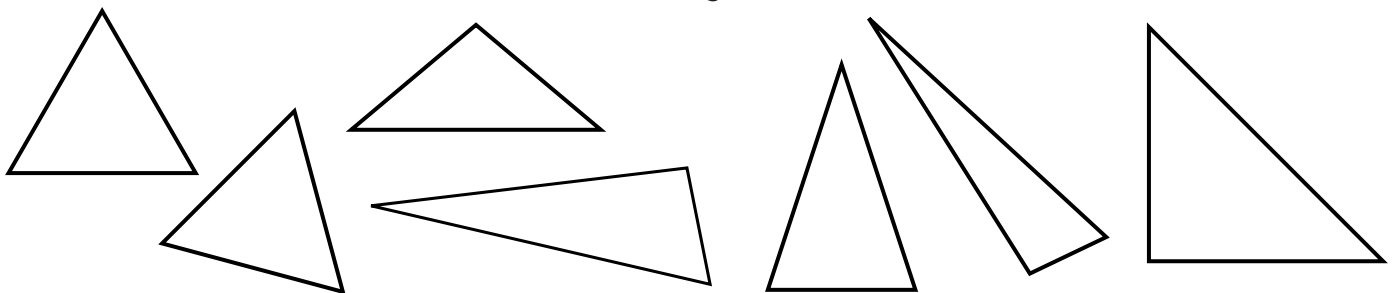
Fact: 2 of their sides are equal, 2 of their angles are equal.

### Scalene Triangles



Fact: All 3 of their sides and angles are different.

### Triangles

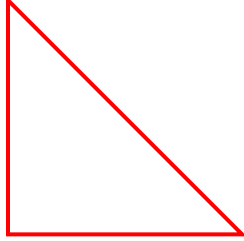
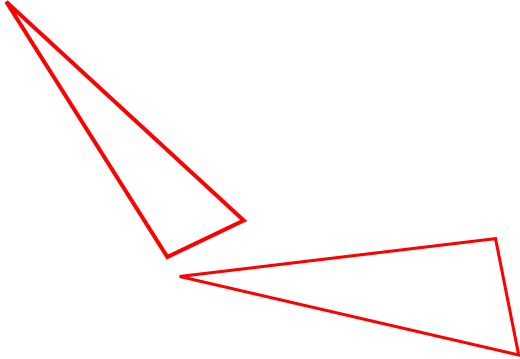
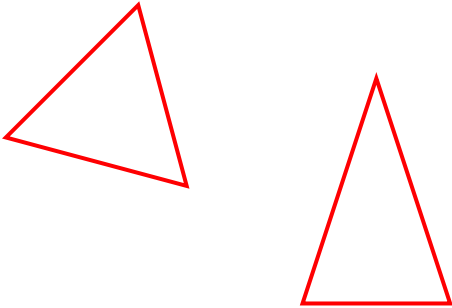


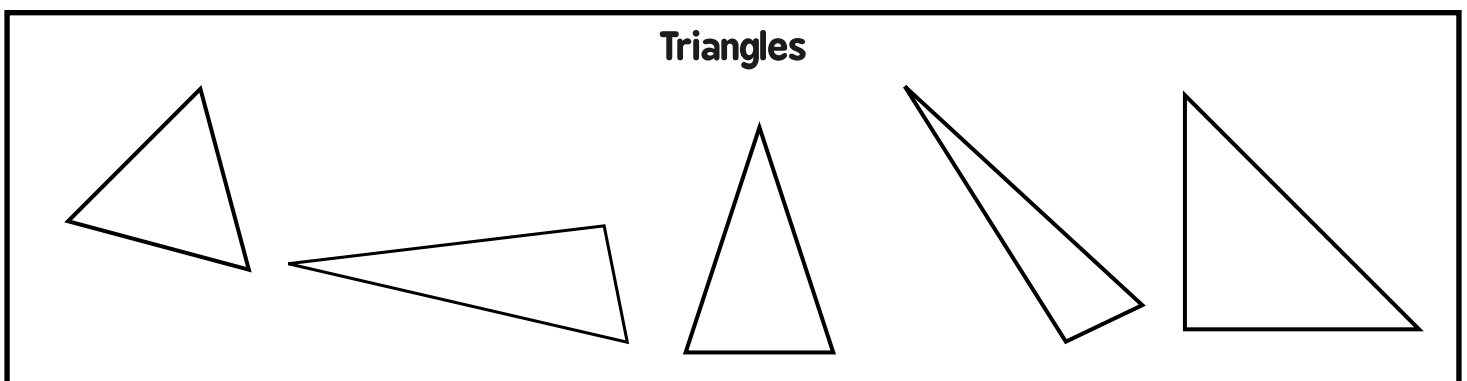


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## Answers

Sort the triangles into the correct box. Then name and write a mathematical fact for each triangle.

|                | An Obtuse Angle   | No Obtuse Angle  |
|----------------|---|--|
| A Right Angle  |   |   |
| No Right Angle |  |  |



### Word Bank

Equilateral

Isosceles

Scalene

Right-Angled