# Brilliance Tuition Centre, Redbank Plains

Fill in the blanks.

| | | |
|---|---|---|
| 1 | Total number of sides of a triangle is | |
| 2 | The total number of vertices of a triangle is | |
| 3 | How many diagonals does a triangle have? | |
| 4 | An equilateral triangle is a triangle in which _____ sides are equal. | |
| 5 | The interior angles of an equilateral triangle are_____. | |
| 6 | An isosceles triangle is a triangle in which _____ sides are equal. | |
| 7 | The base angles of an isosceles triangle are_____. | |
| 8 | A scalene triangle is a triangle in which _____ sides are equal. | |
| 9 | The sum of the three angles of a triangle is_____. | |
| 10 | A right-angled triangle has_____ right angle(s). | |
| 11 | An acute-angled triangle has _____acute angle(s). | |
| 12 | An obtuse-angled triangle has _____obtuse angle(s). | |
| 13 | The exterior angle of a triangle is equal to the sum of the _____ angles to it. | |
| 14 | If a triangle has all angles of equal size, the size of each angle is_____. | |
| 15 | In a triangle, the sum of any two sides is _____ than the third side. | |
| 16 | Angles opposite to equal sides are _____ and vice-versa. | |

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**Answer Key:**

| | |
|---|---|
| 1 | 3 |
| 2 | 3 |
| 3 | 0 |
| 4 | three |
| 5 | equal |
| 6 | two |
| 7 | equal |
| 8 | no |
| 9 | 180 degrees |
| 10 | one |
| 11 | three |
| 12 | one |
| 13 | Opposite interior |
| 14 | 60 degrees |
| 15 | greater |
| 16 | equal |