**Class 8**

**Key Ideas**

* A nested loop is when one loop is inside the action of another
* The first loop is called the outer loop
* The loop inside it is called the inner loop
* With nested for loops, for every value of the outer loop variable the entire action of the outer loop is executed, which means that for every value of the outer loop variable, the inner loop is executed in its entirety

**Built-ins**

None

**Assessment Questions**

True/False: Nested loops are always one **for** loop inside of another

If you have a nested **for** loop in which the outer loop repeats 3 times and the inner loop repeats 2 times, in this form:

Loop 3 times

Loop 2 times

Inner loop action

How many times total will the inner loop action be repeated?

2

3

5

6

8