**Definition of a correctly formed Java integer literal**

A correctly formed Java integer literal is a primitive data that holds the value of a signed exact number with no decimal values that can be represented in base 10 , base 16(hex) or base 2(binary) and holds, by definition, up to a 32 bit wide value ( -2147483648 to 2147483647) . When it as an upper or lower L at the end of the number is of type Long in which can hold up to a 64 bit wide signed value (-9223372036854775808 to 9223372036854775807). It allows the insertion of an underscore in between digits except for the starting and the ending digit.

<http://docstore.mik.ua/orelly/java-ent/jnut/ch02_04.htm#javanut3-ch-2-tab-2>

http://docs.oracle.com/javase/tutorial/java/nutsandbolts/datatypes.html