# RomanNumeral Class Test Cases

## Test Cases for the convertRomanToInteger() method[[1]](#footnote-1)

|  |  |  |  |
| --- | --- | --- | --- |
| **Scenario** | **Object State** | **Calculations** | **Expected Results** |
|  | Roman Numeral |  | Integer |
| 1. Inputs regular Roman number | MMDCCCLXVI | 1000+1000+500+  100+100+100+50  +10+5+1 | 2866 |
| 1. Inputs invalid characters | MDALI |  | 0 Invalid input |
| 1. Input with weird spacing | MC CXXV I | 1000+100+100+  10+10+5+1 | 1226 |

## Test Cases for the convertIntegerToRoman() method1

|  |  |  |  |
| --- | --- | --- | --- |
| **Scenario** | **Object State** | **Calculations** | **Expected Results** |
|  | Integer |  | Roman Numeral |
| 1. Regular integer | 783 | 783-500-100-100-50-10-10-10-1-1-1 | DCCLXXXIII |
| 1. Negative integer | -43 | Invalid | 0 |

1. Add as many test cases as necessary to thoroughly test the method. [↑](#footnote-ref-1)