

# Roman Numeral Conversion Solutions

This is the answer key for the homework exercises.

## Part A: Roman Numeral to Decimal System Solutions

#	Roman Numeral	Decimal Value
1	XV	15
2	III	3
3	VIII	8
4	XI	11
5	XIV	14
6	XLI	41
7	LX	60
8	LXXXV	85
9	XCI	91
10	CD	400
11	CM	900
12	CCXX	220
13	CCCLX	360
14	DLV	555
15	DCLX	660
16	DCCC	800
17	MXI	1011
18	MCC	1200

19	MCDL	1450
20	MDLX	1560
21	MDCC	1700
22	MCM	1900
23	MMIV	2004
24	MMDCC	2700
25	MMCM	2900
26	MMMCC	3200
27	MMMCM	3900
28	MMMCCCXL	3340
29	MMMDCLX	3660
30	MMMDCCXCIX	3799
31	MMMCMXC	3990
32	XXII	22
33	LII	52
34	LXXIX	79
35	CXVII	117
36	CCXLIX	249
37	DCCLXII	762
38	CMXLIX	949
39	MMLIX	2059
40	MMCMXCIX	2999

41	MMMCMXLVIII	3948
42	XXXIX	39
43	CDXXIX	429
44	DCCLXXVII	777
45	MCCXXXIV	1234
46	MDLXXX	1580
47	CMXCI	991
48	MMCDLXIV	2464
49	XXXVI	36
50	XIX	19

Part B: Decimal System to Roman Numeral Solutions

#	Decimal Value	Roman Numeral
51	13	XIII
52	27	XXVII
53	3	III
54	4	IV
55	9	IX
56	18	XVIII
57	29	XXIX
58	40	XL
59	55	LV
60	83	LXXXIII

61	99	XCIX
62	104	CIV
63	149	CXLIX
64	200	CC
65	350	CCCL
66	400	CD
67	488	CDLXXXVIII
68	512	DXII
69	666	DCLXVI
70	799	DCCXCIX
71	845	DCCCXLV
72	900	CM
73	999	CMXCIX
74	1001	MI
75	1250	MCCL
76	1400	MCD
77	1575	MDLXXV
78	1660	MDCLX
79	1800	MDCCC
80	1999	MCMXCIX
81	2024	MMXXIV
82	2333	MMCCCXXXIII

83	2444	MMCDXLIV
84	2500	MMD
85	2789	MMDCCLXXXIX
86	2900	MMCM
87	2994	MMCMXCIV
88	3000	MMM
89	3300	MMMCCC
90	3456	MMMCDLVI
91	3707	MMMDCCVII
92	3888	MMMDCCLXXXVIII
93	3999	MMMCMXCIX
94	17	XVII
95	64	LXIV
96	110	CX
97	521	DXXI
98	1357	MCCCLVII
99	2603	MMDCIII