

Unit 1 - INTRODUCTION

ROMAN NUMERALS

Medical Math

Name _____ Period _____

Roman numerals are used in health care for some drugs and solutions. At times, they are used when ordering supplies.

Roman numerals use letters or symbols to represent numbers. The common equivalent values between Arabic numbers and Roman numerals are shown in the chart:

Arabic	Roman	Arabic	Roman	Arabic	Roman
1	I	8	VIII	60	LX
2	II	9	IX	70	LXX
3	III	10	X	80	LXXX
4	IV	20	XX	90	XC
5	V	30	XXX	100	C
6	VI	40	XL	500	D
7	VII	50	L	1000	M

The key symbols are the I, V, X, L, C, D, and M. By using these symbols, any number can be formed. Usually no more than three of any one symbol is used to represent a number.

- If a letter or symbol is repeated in sequence, the numbers are added. For example, III is $1+1+1 = 3$.
- If a symbol for a smaller number is used after the symbol for a larger number, all of the numbers are added together. For example, LXVI is $50+10+5+1 = 66$.
- If a symbol for a smaller number is used in front of the symbol for a larger number, the smaller number is subtracted from the larger number. For example, XC is equal to $100-10 = 90$.

Practical Problems:

- | | |
|---------------|----------------------|
| 1. 27 _____ | 6. XXIII _____ |
| 2. 368 _____ | 7. LXXXVI _____ |
| 3. 94 _____ | 8. CCXIX _____ |
| 4. 749 _____ | 9. MCMXCIV _____ |
| 5. 2648 _____ | 10. DCCCXCVIII _____ |

11. A child is to receive grains (gr) X of aspirin. Aspirin is available in gr V tablets. How many tablets should the child receive? _____
12. Copy paper is available in reams of D sheets. A medical office orders MMD pages. How many reams of paper are ordered? _____
13. The cornerstone of a hospital shows the date when the hospital was built as MCMXLVII. What year was the hospital built? _____
14. A patient is to receive a total of grains (gr) XL of Acetaminophen every 24 hours. He gets the medication every 6 hours.
- a. What is the dosage every 6 hours in Roman numerals? _____
- b. If Acetaminophen is available in gr V capsules, how many capsules does he receive every 6 hours? _____
15. A medical assistant does an inventory of file folders and counts CCLX beige folders, CDXLVI yellow folders, CCCXXXIX blue folders, and MCMLXXXIII white folders.
- a. What is the total number of file folders in Roman numerals? _____
- b. What is the total number of file folders in Arabic number? _____