**Roman Numeral Practice** Per\_\_\_\_Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A. Write each Roman numeral as an Arabic numeral:

1. X = \_\_\_\_\_\_ 2. V = \_\_\_\_\_\_ 3. I = \_\_\_\_\_\_ 4. C = \_\_\_\_\_\_ 5. L = \_\_\_\_\_\_

B. Now practice adding:

 6. XX = \_\_\_\_\_\_ 7. VV = \_\_\_\_\_\_ 8. III = \_\_\_\_\_\_ 9. XV = \_\_\_\_\_\_ 10. VIII = \_\_\_\_\_\_

C. Practice subtracting the number on the left (smaller) from the number on the right (bigger):

 11. VX = \_\_\_\_\_\_ 12. IV = \_\_\_\_\_\_ 13. IX = \_\_\_\_\_\_ 14. IL = \_\_\_\_\_\_ 15. XC = \_\_\_\_\_\_

D. Now try some more complex problems:

 16. VIII = \_\_\_\_\_\_ 17. XVII = \_\_\_\_\_\_ 18. XXVI = \_\_\_\_\_\_ 19. XXIV = \_\_\_\_\_\_ 20. ML = \_\_\_\_\_\_

E. Let’s practice writing Arabic numerals as Roman numerals:

 a. 21 = \_\_\_\_\_\_ b. 52 = \_\_\_\_\_\_ c. 16 = \_\_\_\_\_\_ d. 8 = \_\_\_\_\_\_ e. 43 = \_\_\_\_\_\_

 f. 4 = \_\_\_\_\_\_ g. 105 = \_\_\_\_\_\_ h. 200 = \_\_\_\_\_\_ i. 12 = \_\_\_\_\_\_ j. 39 = \_\_\_\_\_\_

F. Fill in the blanks to review the rules:

1. Numerals are added \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Numbers on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are subtracted from numbers on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Simplifying Part 1. Re-write these numerals using the *fewest* numerals needed:

 3. VXX = \_\_\_\_\_\_ 4. VIIII = \_\_\_\_\_\_ 5. IIIII = \_\_\_\_\_\_ 6. XXXX = \_\_\_\_\_\_ 7. DD = \_\_\_\_\_\_ 8. VVII = \_\_\_\_\_\_\_\_\_\_\_\_ 9. LXXXVV = \_\_\_\_\_\_\_\_\_\_\_\_ 10. XIIII = \_\_\_\_\_\_\_\_\_\_\_\_

Part 2. Sometimes a number is simplified by ordering numerals so they only need to be *added*, rather than including subtraction within the “equation.” You may end up using more numerals this way, but reading is simpler.

Re-write these numerals for a simpler number:

11. XIIIX = \_\_\_\_\_\_\_\_\_\_\_\_ 11. VXX = \_\_\_\_\_\_\_\_\_\_\_\_ 12. IXIV = \_\_\_\_\_\_\_\_\_\_\_\_

13. VIXI = \_\_\_\_\_\_\_\_\_\_\_\_ 14. LCIX = \_\_\_\_\_\_\_\_\_\_\_\_ 15. IVIV = \_\_\_\_\_\_\_\_\_\_\_\_

16. XXIX = \_\_\_\_\_\_\_\_\_\_\_\_ 17. CMCM = \_\_\_\_\_\_\_\_\_\_\_\_ 18. LIIIV = \_\_\_\_\_\_\_\_\_\_\_\_

REVIEW: Now see if you can answer these questions based on what you’ve learned and practiced.

1. What Arabic numeral does L represent? \_\_\_\_\_\_
2. How much is XX in Arabic numerals? \_\_\_\_\_\_
3. Which is a better way to write 2, IIIV or II? \_\_\_\_\_\_
4. Simplify XXIIIX: \_\_\_\_\_\_\_\_\_\_\_\_
5. How do you write 16 in Roman numerals? \_\_\_\_\_\_\_\_\_\_\_\_
6. In the numeral XIV, which numeral is the “I” subtracted from? The X or V? \_\_\_\_\_\_\_\_\_\_\_\_
7. In the numeral LXIV, “L” is 50, and “X” is 10, (50+10 = 60). How much is added to 60 for the total? \_\_\_\_\_\_
8. What are two ways to write the number 8 in Roman numerals? \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_
9. How would you write 2,000 in Roman numerals? \_\_\_\_\_\_\_\_\_\_\_\_
10. Which of these is less than 100: LLI or LXXXX? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Which is your favorite numeral? \_\_\_\_\_\_\_\_\_\_\_\_ Why?
12. Which numeral is hardest to remember the value of? \_\_\_\_\_\_\_\_\_\_\_\_

Practice writing your own equations:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 e. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ simplified = \_\_\_\_\_\_\_\_\_\_\_\_ f. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ simplified = \_\_\_\_\_\_\_\_\_\_\_\_

 g. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more complicated = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 h. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more complicated = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Fantastic! :) You did it! Now turn this in, correct, for extra credit. (You may make multiple attempts.)*