

Progress Report: Gauge your understanding of Unit 1 by checking off the skills (learning outcomes) you feel that you have mastered as you complete each activity/problem.

_____ Demonstrate an understanding of the evolution of our numeration system by relating counting, grouping, place holders and place value concepts from the past to the present



1. Name the contributions from the ancient civilizations that have become a part of our present numeration system.

_____ Recognize early systems of numeration



2. Identify the numeration system:

- a. CDXVII
- b. $\Phi\mu\beta$
- c. 72,452
- d. <<<▼▼
𐎶𐎵𐎴𐎳𐎲𐎱𐎰𐎯𐎮𐎭𐎬𐎫𐎪𐎩𐎨𐎧𐎦𐎥𐎤𐎣𐎢𐎡𐎠𐎟𐎞𐎝𐎜𐎛𐎚𐎙𐎘𐎗𐎖𐎕𐎔𐎓𐎒𐎑𐎐𐎏𐎎𐎍𐎌𐎋𐎊𐎉𐎈𐎇𐎆𐎅𐎄𐎃𐎂𐎁𐎀𐎠𐎟𐎞𐎝𐎜𐎛𐎚𐎙𐎘𐎗𐎖𐎕𐎔𐎓𐎒𐎑𐎐𐎏𐎎𐎍𐎌𐎋𐎊𐎉𐎈𐎇𐎆𐎅𐎄𐎃𐎂𐎁𐎀
- e. 𐎶𐎵𐎴𐎳𐎲𐎱𐎰𐎯𐎮𐎭𐎬𐎫𐎪𐎩𐎨𐎧𐎦𐎥𐎤𐎣𐎢𐎡𐎠𐎟𐎞𐎝𐎜𐎛𐎚𐎙𐎘𐎗𐎖𐎕𐎔𐎓𐎒𐎑𐎐𐎏𐎎𐎍𐎌𐎋𐎊𐎉𐎈𐎇𐎆𐎅𐎄𐎃𐎂𐎁𐎀

_____ Write numbers in Roman, Babylonian and Egyptian



3. Write 425 using Egyptian, Babylonian and Roman symbols.

_____ Write numbers in words



4. Write 450,062 using words.

5. Write 806.03 using words

_____ Write numbers using expanded notation



6. Write 80,060,002,045 using expanded notation.

7. Write 40,020.025 using expanded notation.

Unit I Review

NAME: _____

I. Identify the numeration system by matching the correct civilization with the contribution:

- | | |
|--|--------------------|
| 1. Subtraction to shorten writing numerals | _____ Babylonian |
| 2. A comma to write large numbers, first | _____ Mayan |
| 3. Symbols represented groupings of 10 | _____ Greek |
| 4. Zero as a place holder, first | _____ Egyptian |
| 5. A base 60 place value system | _____ Hindu Arabic |
| 6. A base 10 place value system | _____ Roman |

II. Write each number in words:

7. 901,045

8. 502,050,005.025

III. Write each number in expanded notation:

9. 7,405,060

10. 80,008

11. 5,062.48

Unit 1

IV. Write the following using numbers:

12. One hundred twenty billion, four thousand two
13. Sixteen million, twenty-five thousand, seven and forty-two hundredths
14. Twelve thousand, three hundred six and seventy-eight thousandths

V. Write the following numbers in the indicated number system:

15. 241,306 (Egyptian)
16. 974 (Roman)
17. 412 (Babylonian)

VI. Respond to each of the following questions in paragraph form:

18. What ideas have we taken from the other number systems (Babylonian, Egyptian, Mayan, Roman, and Greek)? Explain.
19. How important is zero in our Hindu-Arabic numeration system? Where did it come from and what was its importance?
20. Which numeration system do you think worked best? Explain.