Modular Arithmetic

All problems are in modulus 10 arithmetic.

1. Create an addition table
2. Create a multiplication table
3. Decode 747 666 4747 where the coding formula is C=3L+1
4. Find the three integer products that give 1 as the answer.
5. Find the three values of 1/3.
6. Find the three values of 0/3.
7. Multiply the above answers by 3
8. Find the seven values of 1/7
9. Multiply the above answers by 7.
10. Find the 7 values of 7/7
11. Find the integer values of 1/7, 2/7, 3/7, 4/7, 5/7, and 6/7
12. Evaluate 1/3 x1/9 using integer equivalents.
13. Evaluate 1/3 x 1/9 as a fraction and convert answer to integer equivalent.