

## Number Theory

### Section A

Put T for true or F for false in response to each of the following statements.

- a. 0 is a Counting Number \_\_\_\_\_
- b. 267 is an Even Number \_\_\_\_\_
- c. 306 is an Even Number \_\_\_\_\_
- d. 25 is a Square Number \_\_\_\_\_
- e. 11 is a Prime Number \_\_\_\_\_
- f. 28 is a Multiple of 5 \_\_\_\_\_
- g. 2 is a Factor of 10 \_\_\_\_\_
- h. 3921 is equal to  $300 + 9000 + 20 + 1$  \_\_\_\_\_
- i. The number 47813 have the 7 in the thousands place  
\_\_\_\_\_
- j.  $2 \times 2 \times 2 \times 2$  is equal to 8 \_\_\_\_\_

### Section B

a.  $\begin{array}{r} 3746 \\ + 5183 \\ \hline \end{array}$

b.  $\begin{array}{r} 9054 \\ + 4316 \\ \hline \end{array}$

c.  $\begin{array}{r} 4608 \\ - 2463 \\ \hline \end{array}$

d.  $\begin{array}{r} 7800 \\ - 3247 \\ \hline \end{array}$

e.  $\begin{array}{r} 2509 \\ \times 4 \\ \hline \end{array}$

f.  $\begin{array}{r} 6004 \\ \times 53 \\ \hline \end{array}$

g.

$\begin{array}{r} 5 \overline{) 7130} \\ \underline{\phantom{00}0} \phantom{00} \\ \phantom{00}\underline{\phantom{00}1} \phantom{00} \\ \phantom{000}\underline{\phantom{00}0} \phantom{00} \\ \phantom{0000}\underline{\phantom{00}0} \phantom{00} \\ \phantom{00000} \end{array}$