

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.

$\begin{array}{r} 5 \overline{) 7130} \\ \underline{0} \\ 1 \\ \underline{0} \\ 13 \\ \underline{0} \\ 130 \\ \underline{0} \\ 1300 \\ \underline{0} \\ 13000 \end{array}$