Number Theory

Section A

Put the letter C in front of the number that is the correct answer.

1. Which of the following is NOT a Natural number?

___ 0   ___ 25   ___ 34   ___ 11

2. Which of the following is an even number?

___ 43   ___ 55   ___ 61   ___ 92

3. Which of the following is an odd number?

___ 32   ___ 48   ___ 75   ___ 80

4. Which of the following is a multiple of 3?

___ 11   ___ 12   ___ 13   ___ 14

5. Which of the following is a multiple of 7?

___ 27   ___ 28   ___ 29   ___ 30

6. Which of the following is NOT a multiple of 8?

___ 32   ___ 56   ___ 72   ___ 94

7. Which of the following is not a multiple of 12?

___ 48   ___ 60   ___ 72   ___ 86

Section B

1. If any of the following statements are true, put T as the response, if it is false, put F.

a. 314 is an odd number. _____

b. 259 is an even number. _____

c. 28 is a multiple of 4. _____

d. 54 is a multiple of 6. _____

e. 84 is a multiple of 7. _____

f. 90 is a multiple of 12. _____

g. 200 is NOT a multiple of 100. _____

Section C

a. $\begin{array}{r} 3\,4\,7\,2 \\ +\,5\,3\,2\,6 \\ \hline \end{array}$

b. $\begin{array}{r} 2\,5\,2\,6 \\ +\,1\,9\,0\,8 \\ \hline \end{array}$

c. $\begin{array}{r} 7\,8\,5\,3 \\ -\,2\,5\,4\,9 \\ \hline \end{array}$

d. $\begin{array}{r} 7\,9\,8\,0 \\ -\,3\,2\,7\,4 \\ \hline \end{array}$

e. $\begin{array}{r} 3\,2\,0\,4 \\ \times\,3 \\ \hline \end{array}$

f. $\begin{array}{r} 2\,1\,0\,4 \\ \times\,5 \\ \hline \end{array}$