CryptArithmetic

Practice Exercise

Direction for the questions [1]: An Addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter. ***[INFOSYS]***

$$\begin{array}{r} A\ G\ E \\ +\ A\ G\ E \\ \hline G\ O\ O\ L \\ \hline \end{array}$$

1) What is the value of OO + AE?

a) 66 b) 86 c) 88 d) 84

Direction for the questions [2]:

An addition is given below where each letter stands for a single digit number ***[Infosys 2018]***

$$\begin{array}{r} H\ O\ P \\ H\ O\ P \\ +\ H\ O\ P \\ \hline C\ O\ O\ P \\ \hline \end{array}$$

2) What is the value of C + O + O + P?

a) 12 b) 13 c) 14 d) None of these

Direction for the questions [3]: An Addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter ***[Infosys]***

$$\begin{array}{r} X\ X\ X\ X \\ Y\ Y\ Y\ Y \\ +\ Z\ Z\ Z\ Z \\ \hline X\ Y\ Y\ Y\ Z \\ \hline \end{array}$$

3) What is the value of X + Y + Z?

a) 16 b) 17 c) 18 d) 19

Direction for the questions [4 - 5]:

An addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter.

$$\begin{array}{r} S\ P\ O\ T \\ \quad\quad\ A \\ +\quad T\ O\ P \\ \hline G\ H\ O\ S\ T \\ \hline \end{array}$$

4) What is the value of G + H + O + S + T?

a) 20 b) 17 c) 18 d) 19

5) Which of the following is not divisible by 2?

a) T b) S c) P d) O

Direction for the questions [6]:

An addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter.

$$\begin{array}{r} T\ A\ K\ E \\ \quad\quad\ A \\ +\ C\ A\ K\ E \\ \hline K\ A\ T\ E \\ \hline \end{array}$$

6) What is the value of K + A + T + E?

a) 16 b) 17 c) 18 d) 19

Direction for the questions [7]:

An Addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter.

$$\begin{array}{r} T\ E\ S\ S \\ +\ S\ E\ E\ S \\ \hline E\ L\ L\ E\ N \\ \hline \end{array}$$

7) What is the value of E + L + L + E + N= ?

a) 16 b) 17 c) 18 d) 19

Direction for the questions [8 - 9]:

An Addition is given below where each letter stands for a single digit number and no two numbers are represented by the same letter.

$$\begin{array}{r} E\ A\ T \\ +\ T\ H\ A\ T \\ \hline A\ P\ P\ L\ E \end{array}$$

8) What is the value of A + P + P + L + E = ?

a) 10 b) 9 c) 11 d) 12

9) Which of the following is divisible by 2 ?

a) T b) A c) E d) L

1	2	3	4	5	6	7	8	9
b	**a**	**c**	**a**	**b**	**c**	**a**	**d**	**c**