1) The general form of a 3-digit number abc is _____.

2) Write the following in the general form:

  a) 572   b) 39   c) 105

3) Write in the usual form:

  a) $100 \times 2 + 0 \times 10 + 4 \times 1$

  b) $10 \times 9 + 1 \times 3$

4) A polygon whose top and bottom faces are congruent shapes and lateral faces are parallelograms is a _____.

5)a)
$$\begin{array}{r} 6\ 2 \\ +\ B\ A \\ \hline 9\ 6 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 2\ A\ 6 \\ +\ 3\ 7\ B \\ \hline 5\ 9\ 4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 3\ 7\ A \\ +\ 2\ 1\ 4 \\ \hline 5\ A\ 3 \\ \hline \end{array}$$

d)
$$\begin{array}{r} B\ 6\ A \\ \times\ \ \ \ \ 3 \\ \hline 1\ 3\ 9\ 5 \\ \hline \end{array}$$

e)
$$\begin{array}{r} A\ B \\ \times\ \ \ 6 \\ \hline 2\ 1\ B \\ \hline \end{array}$$

f)
$$\begin{array}{r} 2\ 3\ 9 \\ +\ A\ 1\ B \\ \hline 3\ 5\ 4 \\ \hline \end{array}$$

g)
$$\begin{array}{r} A\ B \\ \times\ \ \ 3 \\ \hline 2\ B\ B \\ \hline \end{array}$$

h)
$$\begin{array}{r} A\ 6 \\ -\ 4\ B \\ \hline 5\ B \\ \hline \end{array}$$

i)
$$\begin{array}{r} 8\ B \\ \times\ \ \ B \\ \hline A\ 1\ B \\ \hline \end{array}$$

6)a) Check if 41392 is divisible by 9.

  b) Check if 7524 is divisible by 3.

7) If 391x0 is divisible by 3 , find x.

8) If 683x is divisible by 9 , find x.

9) Check the divisibility of 39487362 by a) 3 and b) 9.

10) If 6y07 is divisible by 3 and 9 , find y.

11) If 15y95 is a multiple of 9 , find y.

12) If 5y228 is a multiple of 3 , find y.

13) A polyhedron whose base is a polygon and lateral faces are triangles is a _____.

14) $F + V = E + 2$ is called _____ formula.

15) Find the unknown in the following:

F	V	E
x	4	7
6	y	12
7	10	a

16) To form a polyhedron a minimum of _____ faces are required.

ANSWERS

5) a) A = 4   b) A = 1   c) A= 9   d) A = 5   e) A = 3
      B = 3   B = 8   B = 4   B = 6

   f) A = 1   g) A = 8   h) A = 9   i) A = 5
      B = 5   B = 5   B = 3   B = 6

7) x = 2 , 5 , 8

8) x = 1

10) y = 5

11) y = 7

12) y = 1 , 4

15) x = 4

   y = 8

   a = 15