Solution of (Pre-mid revision worksheet-4)

1. M.C.Q's:-

i) Number of vertices in a circle —

a) 0 ☑ b) 1 ☐ c) 2 ☐

ii) Number of plane surface in a cylinder —

a) 2 ☑ b) 1 ☐ c) 3 ☐

iii) How many sides are there in squares ?

a) 16 ☑ b) 20 ☐ c) 25 ☐

iv) _____ has no definite length.

a) Line ☐ b) Line segment ☑ c) Ray ☐

v) $213 \div 0 = ?$

a) Infinite / Undefine ☑ b) 0 ☐ c) 1 ☐

vi) If divisor = 5, Quotient = 7 and Remainder = 3, find the dividend;

a) 38 ☑ b) 37 ☐ c) 30 ☐

vii) Multiply : $24 \times 0 = ?$

a) 0 ☑ b) 1 ☐ c) 24 ☐

viii) What will be the remainder if we divide 140 by 4 = ?

a) 0 ☑ b) 1 ☐ c) 4 ☐

2. Give two examples of each of the following 3D-Shapes :-

a) Cube :- Ice-cube , Dice

b) Cuboid :- Door , Brick

c) Sphere :- Globe , Football

d) Cone :- Birthday cap , Traffic cone

e) Cylinder :- Cold-drink can , Gas cylinder.

3. Write the faces, edges and vertices of the following 3D shapes :-

	Faces	Edges	Vertices
Cube :	6	12	8
Cuboid :	6	12	8
Sphere :	1	0	0
Cone :	2	1	0
Cylinder :	3	2	0

4. Divide by long division method and write the divisor, dividend, quotient and remainders :-

$438 \div 7$

$$
\begin{array}{r|l}
7 & 438 \\
 & -42\downarrow \\
\hline
 & 18 \\
 & -14 \\
\hline
 & 4
\end{array}
\quad \begin{array}{l} 62 \end{array}
$$

$\therefore$ Divisor = 7
Dividend = 438
Quotient = 62
Remainder = 4.

5. Multiply using expanded form :-

$216 \times 8 = ?$

$216 \rightarrow (200 + 10 + 6)$

$\times 8$

$1600 \; (8 \times 200)$
$80 \; (8 \times 10)$
$+ \; 48 \; (8 \times 6)$

1728

6. Rita wrote 5 words in one line and each page contained 20 lines. If she needs to write 12 pages, then how many words will be there in total?

⇒ Number of lines contained in 1 page = 20

" " Words in one line = 5

×

∴ Total number of words in one page = 100

$$\begin{array}{r} 20 \\ \times\ 5 \\ \hline 100 \end{array}$$

Total number of pages = 12

Number of words in each page = 100

×

∴ Total number of words = (100 × 12)

= 1200

∴ There will be 1200 words in total.

7. In a garden there are 8 rows and in each row, having 5 lemon trees. How many trees are there in total, If 16 more lemon trees plant to the garden, then find the number of trees in each row?

⇒ Total number of rows = 8

No. of trees in each row = 5

×

Total number of trees = (8×5)

= 40

16 more trees plants,

∴ No. of trees in the garden = (40+16)

= 56

∴ Number of trees in each row = (56÷8)

= 7 (Ans).