

BASIC WORKSHEET- 2

Grade- VIII

Name of the Student: _____ Grade/Sec: _____ Branch _____

MATHS**A. Improve your skill of Drawing**

1. Draw a square pyramid upon a cube and hence find the number of vertices, faces and edges. Verify Euler's formula.
2. Draw a regular hexagon. Find number of line of symmetries and angle of rotation.

3. Represent the following rational numbers on the number line

$$\frac{7}{10}, \frac{19}{3}, 5\frac{3}{4}$$

B. Recap the past

1. The value of an article depreciates every year at the rate of 10% of its value. If the present value of the article is Rs.729, then find the worth of article before 3 years.
2. A person has left an amount of Rs.1,20,000 to be divided between his 2 son aged 14 years and 12 years such that they get equal amounts when each attains 18 years of age. If the amount gets a simple interest of 5% per annum. At present find the younger son's share.
3. A shopkeeper purchased 300 bulbs for Rs.12 each. However, 5 bulbs were fused and had to be thrown away. The remaining bulb was sold in Rs.15 each. Find his gain and loss per cent.
4. Three times the sum of $2x+y-\{5-(x-3y)\}$ and $7x-4y+3$ is subtracted from $3x-4y+7$.
5. The mean of 40 observations was 160. It was detected on re-checking that the value of 165 was wrongly copied as 125 for computation of mean. Find the correct mean.

C. Find out

1. If $72 \times 96 = 6927$, $58 \times 87 = 7885$, then $79 \times 86 =$ _____
2. Next number in the series 3,5, 9,17,33,____
3. Largest number that is 100 times the sum of its digits _____

4. If $m+n+1*2*3*4 = n+1234$ then $m=$ _____

5. Number of even integers between even integers where $n=2m$ _____

