

**BASIC WORKSHEET**  
**KEY- 2**

Grade- VIII

**MATHS**

A.

1.  $V = 9$

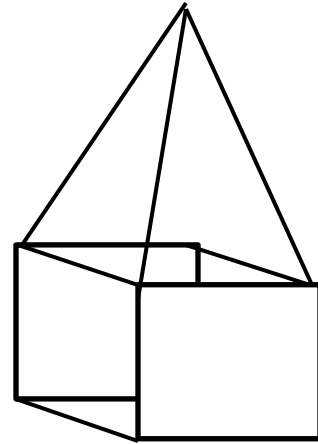
$F = 9$

$E = 16$

Euler formula  $V + F = E + 2$

$9 + 9 = 16 + 2$

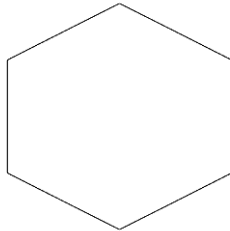
$18 = 18$



2. Number line

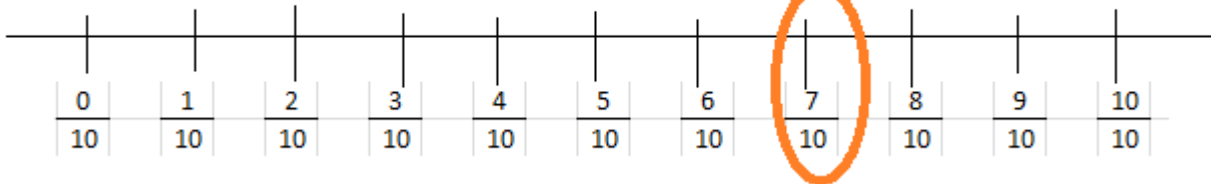
Summitries = 6

Angle of rotation =  $60^\circ$

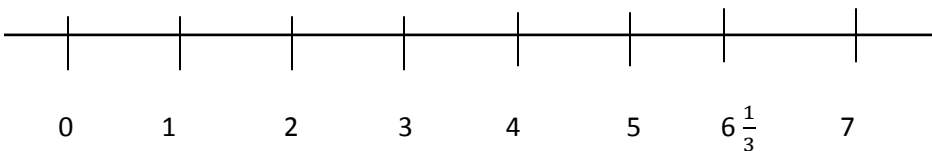


3.  $\frac{7}{10}$

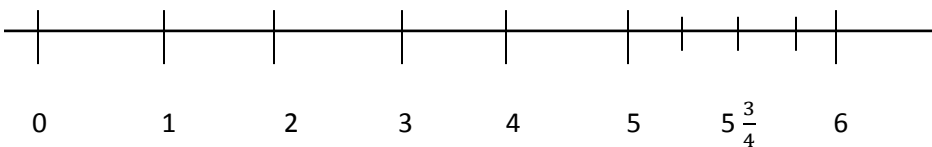
**0**



4.  $\frac{19}{3} = 6\frac{1}{3}$



$5\frac{3}{4}$



B.

1. 1000 Rupees

$$2. (12000 - x) + \frac{(12000 - x) \times 5 \times 4}{100} = x + \frac{x + 5 + 6}{100}$$

$$X = 57600$$

3. C.P of 1 bulb = 12 rs

$$\begin{aligned} \text{C.P of 300 bulbs} &= 300 \times 12 \\ &= 3600 \end{aligned}$$

S.P of 1 bulb = 15 rs

$$\begin{aligned} \text{S.P of 295 bulbs} &= 295 \times 15 \\ &= 4425 \end{aligned}$$

$$\text{Profit} = 825$$

$$\text{Profit \%} = 22.9 \%$$

$$4. 3x - 4y + 7 - 3 [2x + y - 5 + x - 3y + 7x - 4y + 3]$$

$$3x - 4y + 7 - 3 [10x - 6y - 2]$$

$$-27x + 14y + 13$$

5. Sum of the 40 observations = 6400

$$\begin{aligned} \text{Numsum} &= 6400 - 125 + 165 \\ &= 6440 \end{aligned}$$

$$\text{New mean of 40 observations} = \frac{6440}{40} = 161$$

C.

1. 6897

2. 65

3. 100

$$4. m + n + 1 \times 2 \times 3 \times 4 = n + 1234$$

$$m = 1210$$

$$5. \text{Number of even integers } n \text{ and } m = \frac{n}{2} - 1$$