CENTRAL TENDECIES.

$$\frac{z_{xi}}{n} = 7$$

$$\frac{2\times i}{n} = 8.5$$

$$\frac{11}{4}$$
,  $\frac{21}{2}$ ,  $\frac{51}{2}$ ,  $\frac{31}{4}$ ,  $\frac{21}{2}$ 

$$\frac{\mathbf{z} \times \mathbf{i}}{\mathbf{p}} = 11.4$$

$$\frac{2\times i}{n} = 8.8$$

4. 
$$\frac{\mathbf{z}_{xi}}{\mathbf{p}} = 66$$
, Find x?

$$8+11+6+14+x+13 = 66$$

$$x = 344$$

5. 
$$\frac{Z \times i}{n} = 9$$

$$= ) \quad 6 + 8 + (x + 2) + 10 + (2x - 1) + 2 = 9$$

$$= ) \quad \frac{27 + 3x}{6} = 9$$

$$= ) \quad x = 9$$

6. a) Age No. Boys 
$$2xi = 12x5 + 10x3 + 15x2 + 14x6 + 8x4$$

12 5
10 3
15 2 =) 11.8

b) Morks NoStudents 
$$\sum x_i = 25 \times 8 + 30 \times 12 + 15 \times 10 + 20 \times 6$$

25

8

12

40

15

10

20

6

 $= \frac{926}{40} = ) 23.15$ 

## 7. Find Mode?

a) 
$$12.8.4.8.1.8.9.11.9.10.12.8$$

$$=) 8$$

c) 
$$0,3,2,1,3,5,4,3,4,2,1,2,0$$
  
=) 3

- 8. Median =) 25

  17,  $\infty$ , 24, x+7, 35, 36, 46 x = 18
- 9. In the above problem, we would need too sout in ascending ander before assigning the median value to find x.
- 10.0) Mean on median. If outlier exists any median can be used.
  - b) If author exists mean should not be used.
  - e) Mean or median.
  - d) Made can be used, since it's categorical and finding the common one.