

Exercise 4.2

5. (i) Make a grouped frequency distribution table for this data with class intervals as 0.00-0.04, 0.04-0.08 and so on.

Concentration of $SO_2$ (in ppm)	Tally	No. of days
0.00 - 0.04		4
0.04 - 0.08	 	8
0.08 - 0.12	 	8
0.12 - 0.16		2
0.16 - 0.20		4
0.20 - 0.24		2
Total		30

- (ii) For how many days, was the concentration of sulphur dioxide more than 0.11 part per million. more than 0.11

$$\begin{aligned} \text{No. of days} &= \text{No. of days with concentration of} \\ & (0.12 - 0.16) + (0.16 - 0.20) + (0.20 - 0.24) \\ &= 2 + 4 + 2 \\ &= 8 \text{ days} \end{aligned}$$

6.

Number of heads	Tally	Frequency
0		6
1	 	10
2	 	9
3		5
Total		30

7. (i)

Digits	Tally	frequency
0		2
1		5
2		5
3		8
4		4
5		5
6		4
7		4
8		5
9		8
	total	50

(ii) ~~most~~ The most ~~and least~~ frequency = 0  
The least frequency = 3, 9.

8. (i)

NO. OF hours watching TV	Tally	Frequency
0-5		10
5-10		13
10-15		5
15-20		2
	total	30

(ii) children watching television more than 15hr = 2 children.