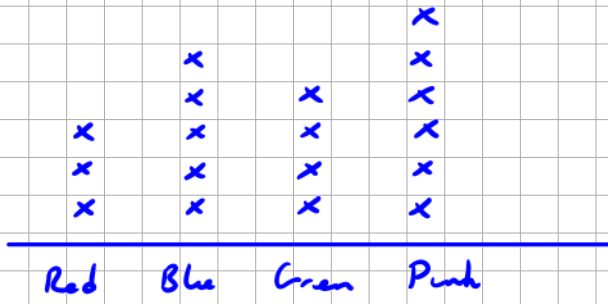


# Presenting Data.

Colour	Red	Blue	Green	Pink
People	3	5	4	6

Fav Colours

People



Colour

Draw

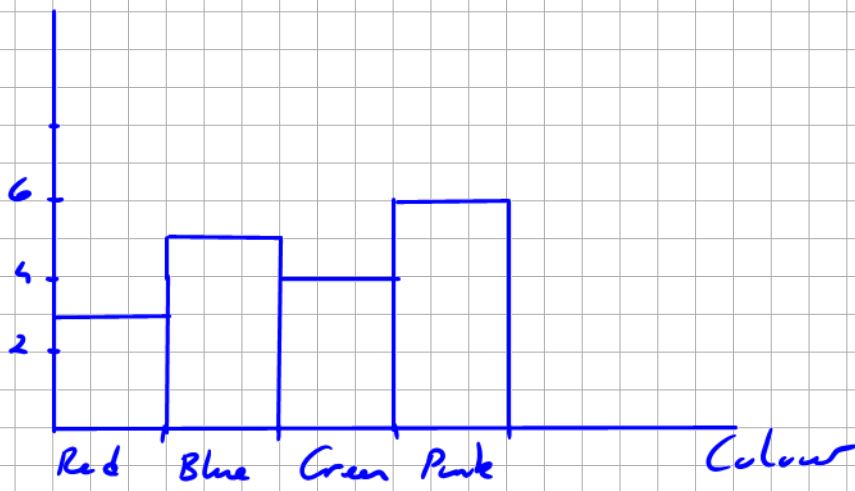
(i) Line plot (dot plot)

(ii) Bar chart

(iii) Pie chart.

LABEL THE  
AXES

People



Colour	Red	Blue	Green	Pink
People	3	5	4	6

$$3 + 5 + 6 + 4 = 18$$

$$18 \text{ people} = 360^\circ$$

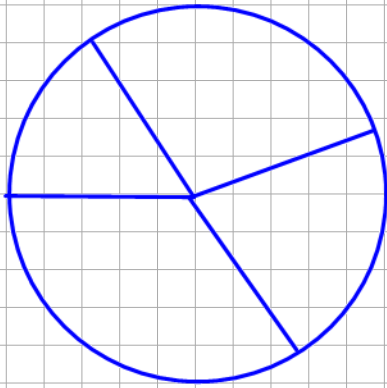
$$1 \text{ person} = 20^\circ$$

$$3 \text{ people} = 60^\circ$$

$$5 \text{ " } = 100^\circ$$

$$4 \text{ " } = 80^\circ$$

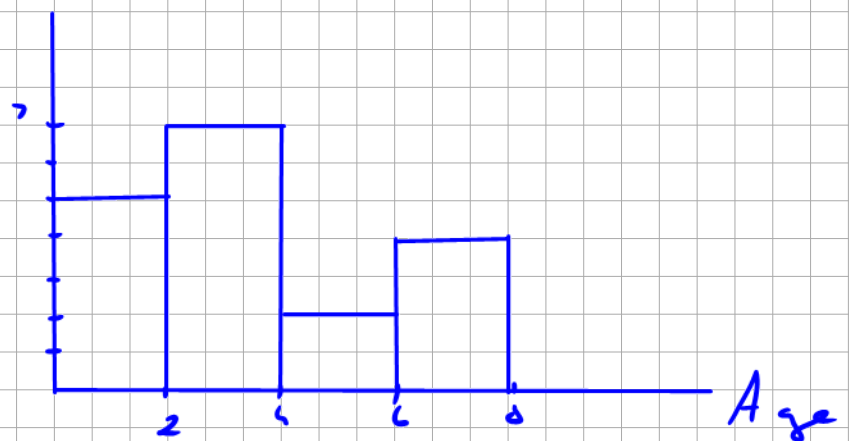
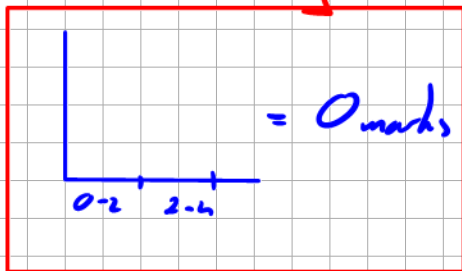
$$6 \text{ " } = 120^\circ$$



Age	0-2	2-4	4-6	6-8
People	5	7	2	4

$$6 - 8 \Rightarrow 6 \leq x < 8$$

Histogram



# Stem and Leaf.

Draw a stem and leaf for  
21, 39, 43, 27, 41, 51, 29, 21, 33.

2	1	1	7	9
3	3	9		
4	1	3		
5	1			

key

$2|1 = 21$

(ii) 125, 129, 137, 138, 140

12	5	9
13	7	8
14	0	

key  $12|5 = 125$   
 Leaf has only one digit.

Back to back stem and leaf of

Mary 39, 43, 27, 38, 46, 51

John 21, 23, 59, 58, 56, 31

Who is better?

Mary  
 $7|2 = 27$   
 key

7	2	1	3
9	8	3	1
6	3	4	
1	5	6	8 9

John  
 $2|1 = 21$

Mean Mary 40.6 John 41.3

Median Mary 41 John 43.5

Range Mary 24 John 38

$\sigma$  Mary John

Mary is more consistent (lower range lower  $\sigma$ ) but otherwise close to each other.