

fs4u

Working with Data

'How To' Booklet 22 Answers




Collecting & Displaying Data

Maximum number = 14
 Minimum number = 0
 Range = $14 - 0 = 14$
 Number of bits of data = 20
 Total Bananas = 93

Tally Chart

Number of bananas eaten in a week	Number of people (tally)	Number of people
0 to 4	IIII IIII I	11
5 to 9	IIII II	7
10 to 14	II	2

Pictogram

No of bananas eaten in a week	No of people who eat that many bananas
0 - 4	
5 - 9	
10 - 14	

Shoe Size Survey

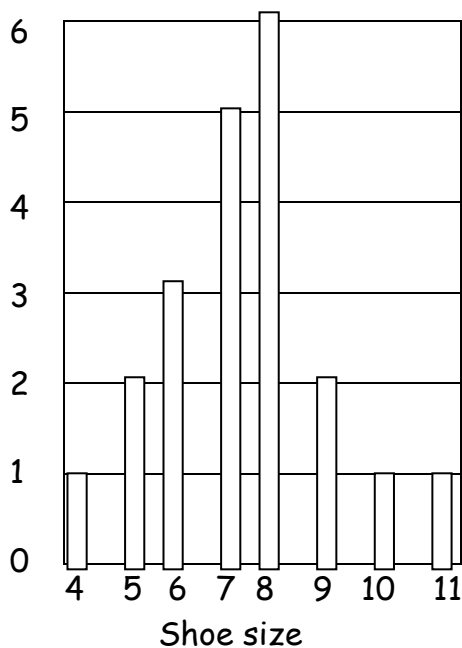
Mode 190 cm 56 kg Size 6

Median 184 cm 63 kg size 7

Mean 183.2 cm 68 kg size 7

Shoe size	Tally	Frequency
4	I	1
5	II	2
6	III	3
7	IIII	5
8	IIII I	6
9	II	2
10	I	1
11	I	1
Total		21

BAR CHART



Shoe size (s)	Frequency (f)	s x f	
4	1	4 x 1	4
5	2	5 x 3 =	10
6	3	6 x 3	18
7	5	7 x 4	35
8	6	8 x 6	48
9	2	9 x 2	18
10	1	10 x 1	10
11	1	11 x 1	11
Totals 21			154

$$\text{MEAN} = \frac{154}{21} = 7.3$$