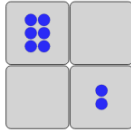




Describe data distributions

1

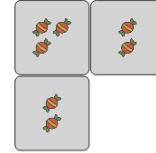
How many circles would be in each group if you rearranged them so every group had the SAME number?



A 5	B 0	C 1
D 7	E 2	F 4

2

What is the DIFFERENCE between the largest and smallest number of candies in these groups?



A 5	B 4	C 6
D 3	E 2	F 1

3

0, 1, 20

0, 1, 20

A 8	B 10	C 12
D 1	E 2	F 7

4

5, 6, 9

5, 6, 9

A 6	B 8	C 0
D 10	E 2	F 4

5

Find the range of the numbers (5, 5, 7) using the guide

5 5 7

$7 - 5$

A 2	B 4	C 1
D 5	E 7	F 3

6

12, 4, 6, 3, 5

A $3 \ 4 \ 5 \ 6 \ 12$ $\rightarrow \rightarrow \leftarrow \leftarrow$	B $3 \ 4 \ 5 \ 6 \ 12$ <i>one</i> 12
--	--

C $3 \ 4 \ 5 \ 6 \ 12$ $12 - 3$	D $\begin{array}{r} 12 + 4 + 6 + 3 + 5 \\ \hline 5 \end{array}$
---	--

7

7, 10, 4, 4, 11

7, 10, 4, 4, 11

A 1	B 10	C 12
D 6	E 4	F 7



Describe data distributions

8

7, 14, 14, 10, 9

A

7 9 10 14 14*two 14s*

B

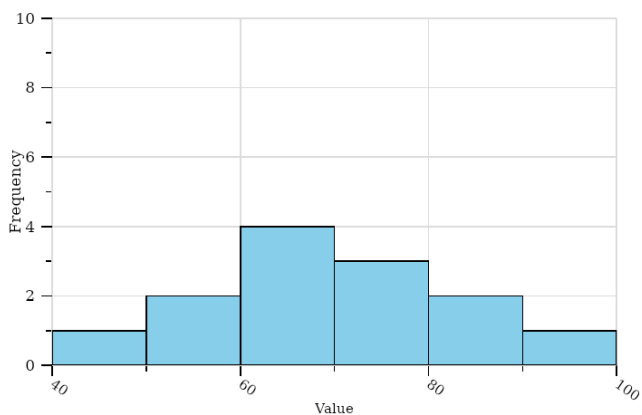
$$\frac{7 + 14 + 14 + 10 + 9}{5}$$

C

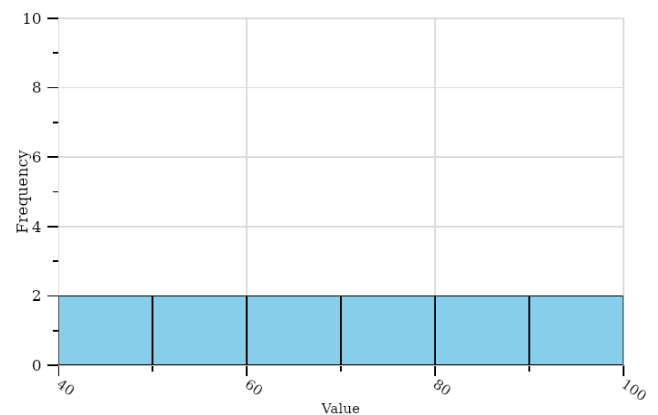
7 9 10 14 14
→→ ←←**9**

Uniform Distribution

A



B





Describe data distributions

10 Uniform

A

Class	[40, 50)	[50, 60)	[60, 70)	[70, 80)	[80, 90)	[90, 100]
Freq	2	2	2	2	2	2

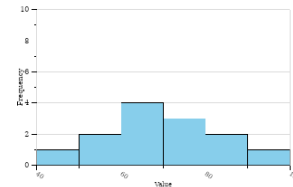
B

Class	[40, 50)	[50, 60)	[60, 70)	[70, 80)	[80, 90)	[90, 100]
Freq	1	1	1	1	1	1

C

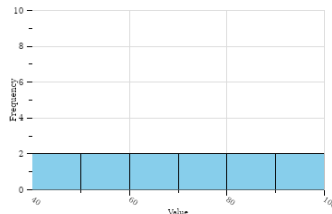
Class	[40, 50)	[50, 60)	[60, 70)	[70, 80)	[80, 90)	[90, 100]
Freq	1	1	1	1	1	1

11 If the distribution is approximately symmetric, how do mean and median compare?



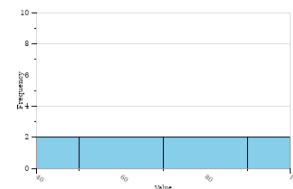
A mean > median B mean < median C mean = median

12 Estimate Q3 from this histogram.



A 113 B 103 C 83 D 63

13 What is the distribution type of this histogram?



A right-skewed B approximately symmetric C left-skewed D uniform

14 What distribution type does this frequency table suggest?

Class	[40, 50)	[50, 60)	[60, 70)	[70, 80)	[80, 90)	[90, 100]
Freq	2	2	2	2	2	2

A approximately symmetric B left-skewed C right-skewed D uniform

15 Mean = Median

A right-skewed

B left-skewed

C approximately symmetric