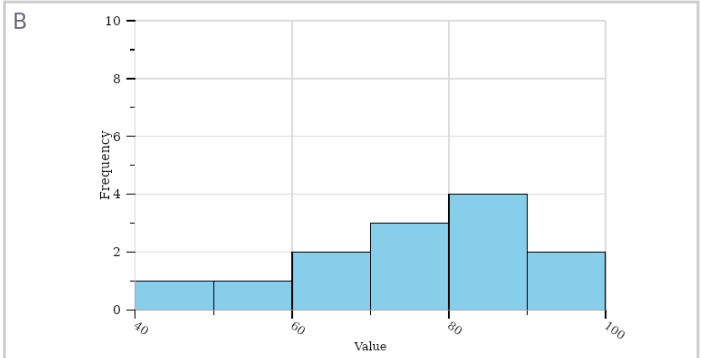
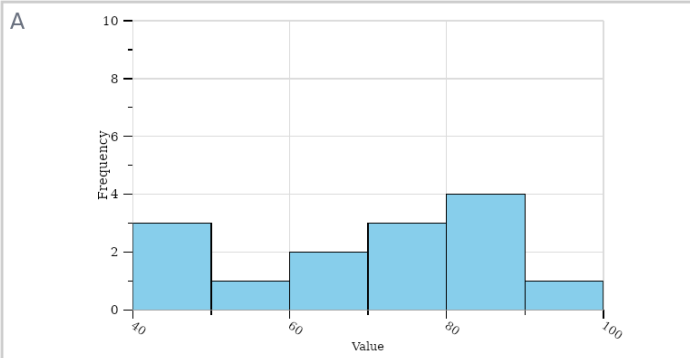


Interpret histograms

1

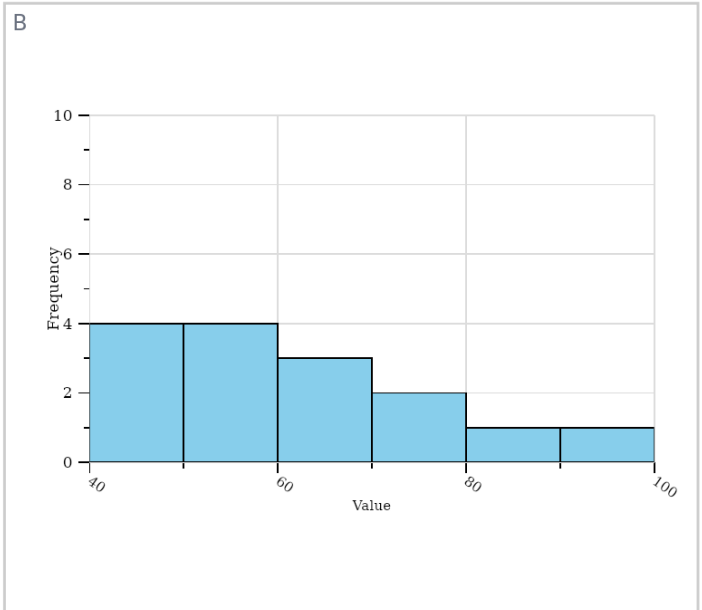
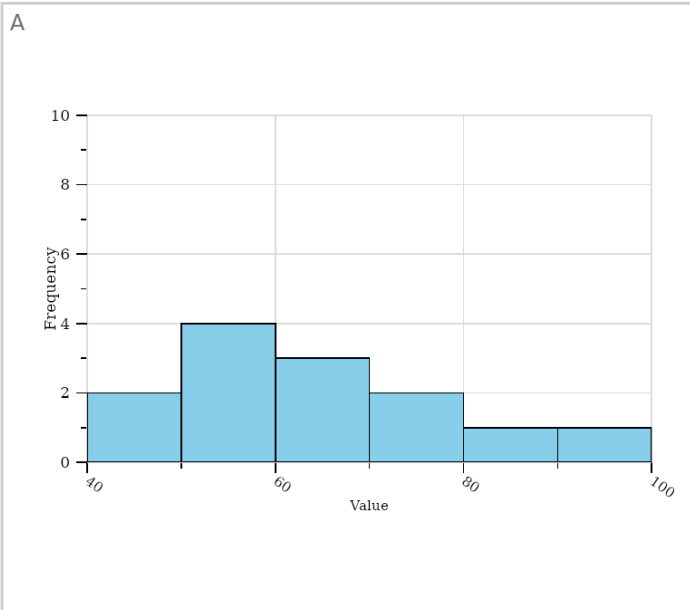
Which histogram best matches this frequency table?

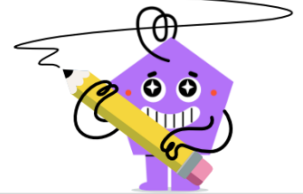
Class	(40, 50)	(50, 60)	(60, 70)	(70, 80)	(80, 90)	(90, 100)
Freq	1	1	2	3	4	2



2

Modal Class: (50,60)

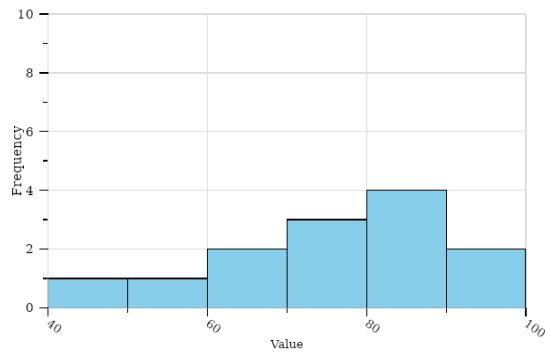




Interpret histograms

3

Which frequency table has modal class [80, 90)?



A

$\begin{array}{c|c|c|c|c|c} \text{Class} & [40, 50) & [50, 60) & [60, 70) & [70, 80) & [80, 90) & [90, 100) \\ \hline \text{freq} & 1 & 1 & 2 & 3 & 4 & 2 \end{array}$

B

$\begin{array}{c|c|c|c|c|c} \text{Class} & [40, 50) & [50, 60) & [60, 70) & [70, 80) & [80, 90) & [90, 100) \\ \hline \text{freq} & 2 & 1 & 3 & 4 & 2 & 1 \end{array}$

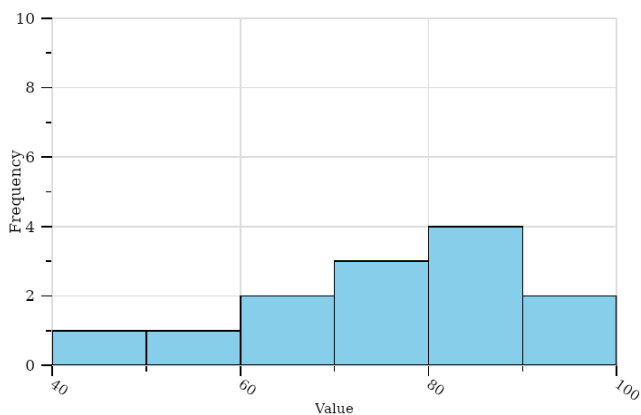
C

$\begin{array}{c|c|c|c|c|c} \text{Class} & [40, 50) & [50, 60) & [60, 70) & [70, 80) & [80, 90) & [90, 100) \\ \hline \text{freq} & 1 & 2 & 3 & 4 & 2 & 1 \end{array}$

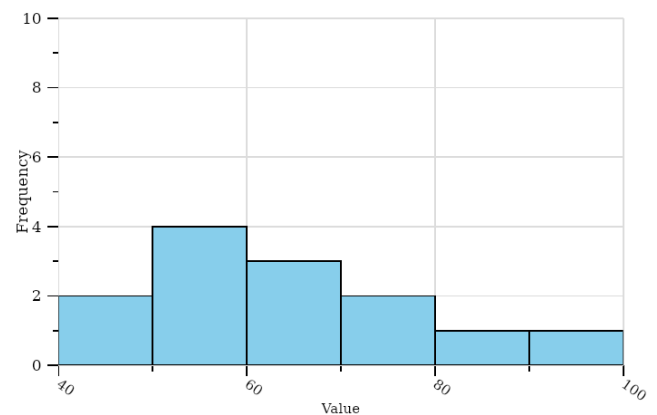
4

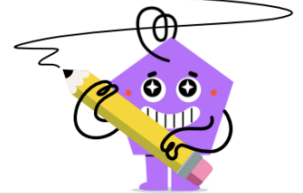
Right-skewed Distribution

A



B

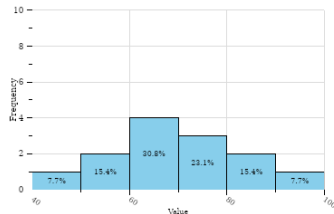




Interpret histograms

5

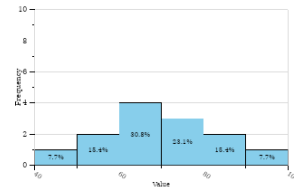
What percent of values are over 90?



- A 0% B 8% C 92% D 18%

6

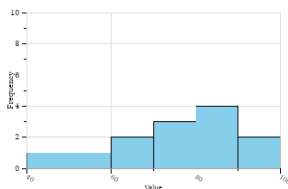
What value is above 92% of the full set of data?



- A 110 B 100 C 80 D 90

7

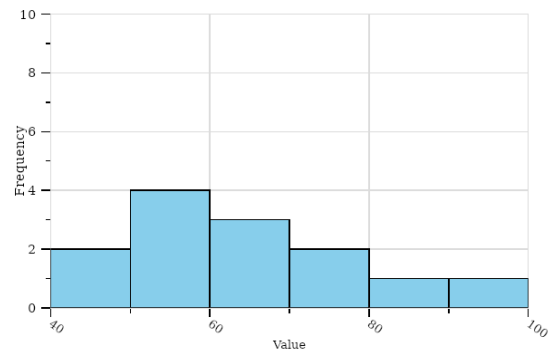
What is the distribution type of this histogram?



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

8

Which frequency table matches this histogram?



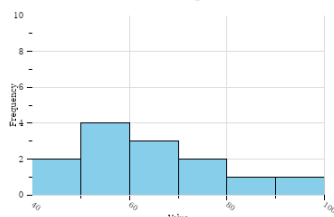
A

B

C

9

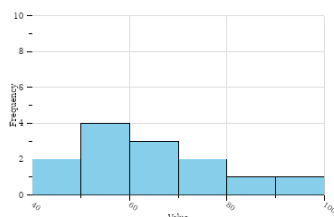
Estimate the median from this histogram.



- A 91 B 61 C 81 D 41

10

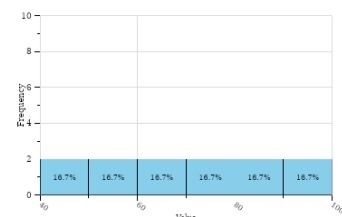
What is the modal class?



- A [50, 60) B [70, 80) C [60, 70) D [40, 50)

11

What percent of values are between 60 and 80?



- A 43% B 23% C 33% D 67%