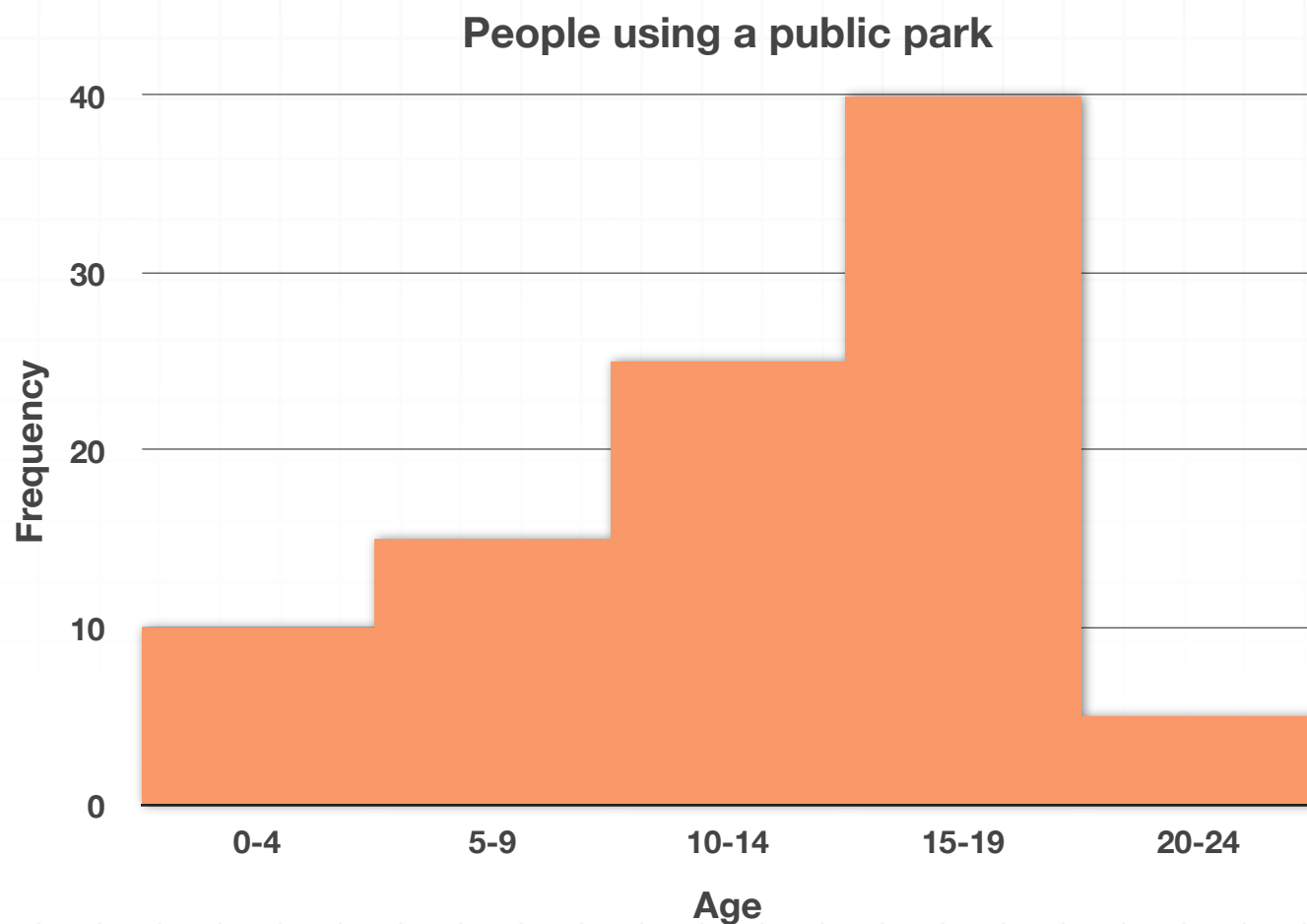


Topic: Histograms and stem-and-leaf plots

Question: What is the length of the buckets that are used in the histogram?

**Answer choices:**

- A 4 years
- B 5 years
- C 10 years
- D 25 years



Solution: B

The age groups are put into buckets of 5-unit intervals.



Topic: Histograms and stem-and-leaf plots

Question: Which data set would best be displayed in a histogram?

Answer choices:

- A The percentage of people who like a certain brand of cola.
- B A kindergarten class's favorite colors.
- C The way rainfall changes each month.
- D Town population by age.



Solution: D

Town population by age would best be displayed in a histogram. It would be useful to group age ranges together to create a graph of the data, as opposed to graphing each age individually.



Topic: Histograms and stem-and-leaf plots

Question: A shopkeeper counted the number of candies in each basket and recorded the results in the stem-and-leaf plot. How many baskets have more than 35 candies?

1	3, 5
2	1, 4
3	5
6	2, 6

$$1 \mid 3 = 13$$

Answer choices:

- A 2
- B 3
- C 6
- D 62



Solution: A

We want to know how many baskets had more than 35 pieces of candy. If you look at the stem-and-leaf plot, you can see that two baskets had more than 35 pieces of candy.

1	3, 5
2	1, 4
3	5
6	2, 6

One basket had 62 pieces, and one basket had 66 pieces, so there were only two baskets that had more than 35 pieces.

