Topic: Frequency tables and dot plots

Question: The following data shows the number of points each player earned in a game. What is the missing frequency in the table?

75, 75, 75, 81, 81, 81, 82, 84, 84, 84, 84, 84, 97, 97

Points	Frequency
75	3
81	
82	1
84	5
97	2

Answer choices:

A   1

B   2

C   3

D   4

Solution: C

A frequency table is a count of the number of times a data point occurs. Count the number of times that 81 occurs in the data set.

$$75, \ 75, \ 75, \ \underline{81, \ 81, \ 81}, \ 82, \ 84, \ 84, \ 84, \ 84, \ 84, \ 97, \ 97$$

The number 81 occurs 3 times in the data set, so that's the missing frequency in the table.

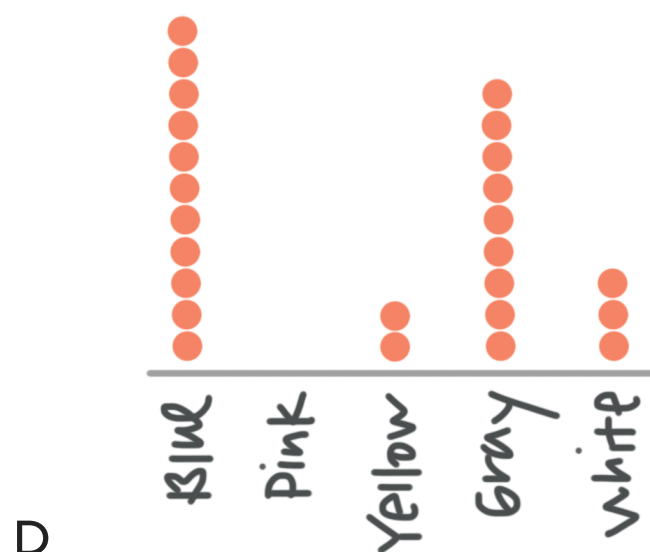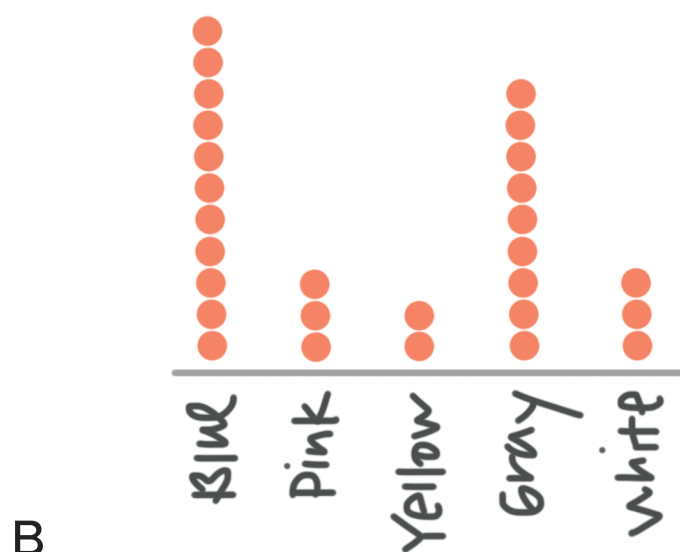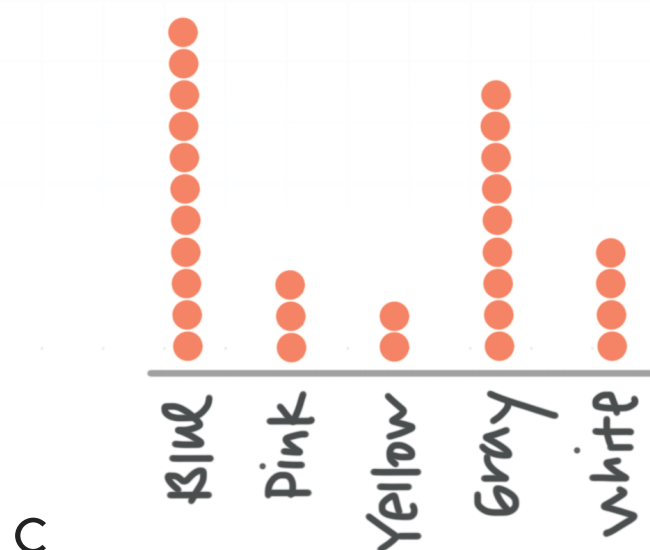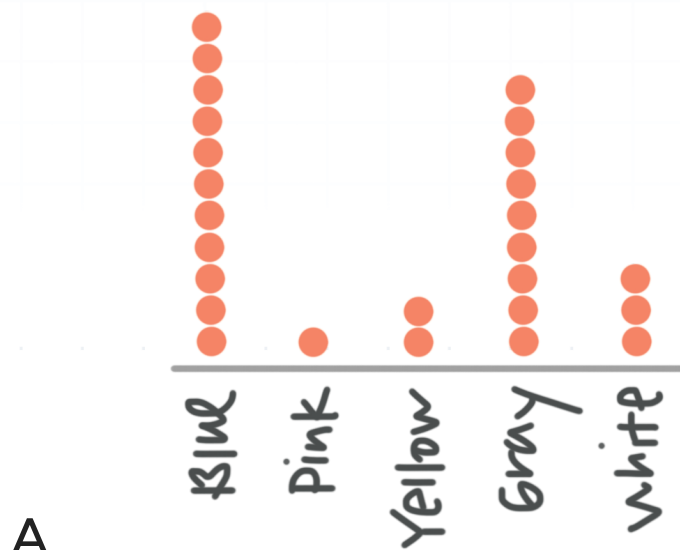| Points	Frequency
75	3
81	**3**
82	1
84	5
97	2

Topic: Frequency tables and dot plots

Question: The frequency table shows the number of times a bird chose to eat a different colored piece of bird seed. Choose the dot plot that matches the frequency table.
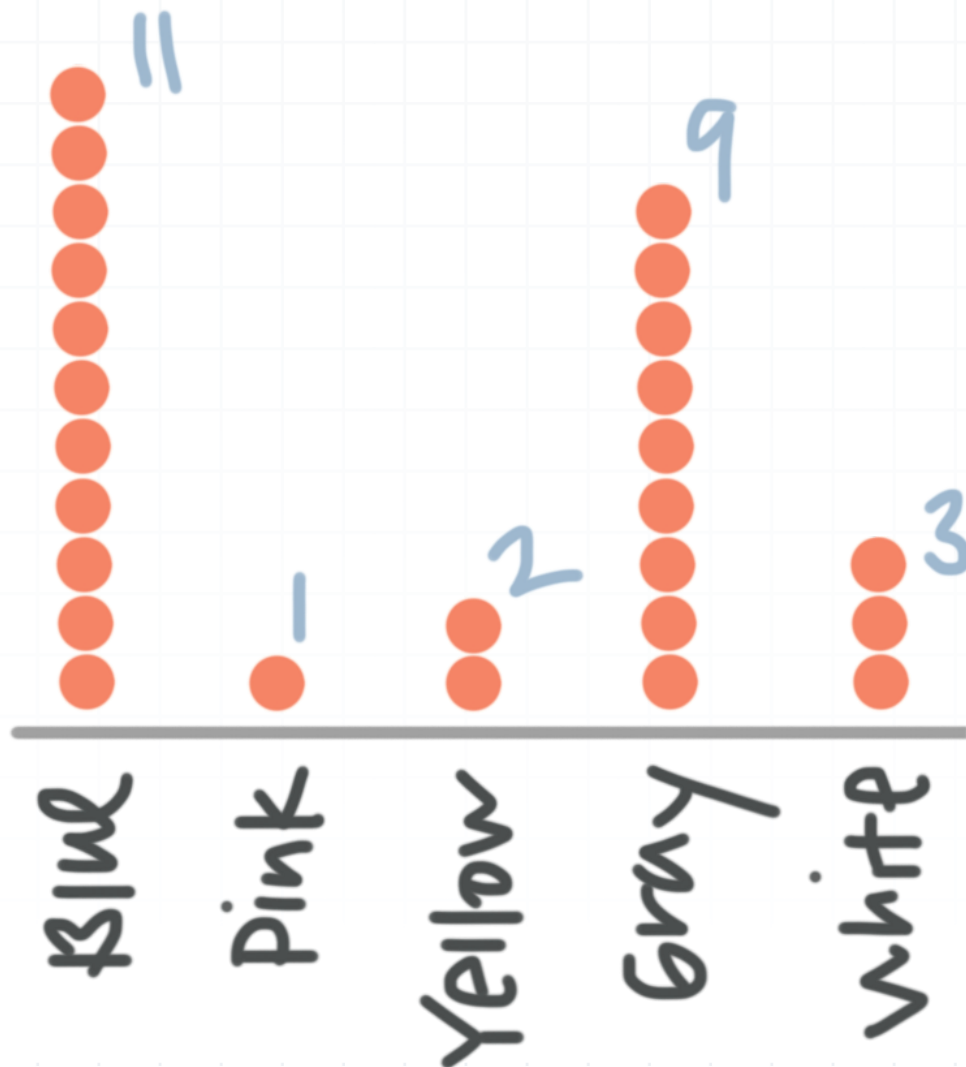
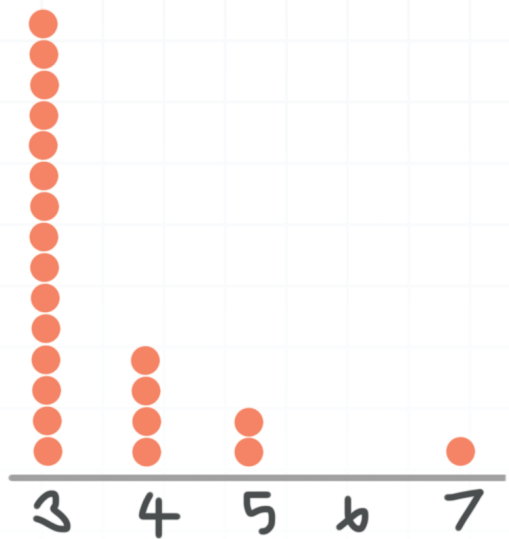| Color	Blue	Pink	Yellow	Gray	White
Frequency	11	1	2	9	3

Answer choices:

A

B

C

D

Solution: A

Choose the dot plot that has the same number of dots for each color as the frequencies in the table.

Topic: Frequency tables and dot plots

Question: The dot plot shows the number of leaves on each stem found in a small sample of clover. Which frequency table matches the dot plot?

Answer choices:

A

Number of leaves	Frequency
3	15
4	4
5	2
6	0
7	1

C

Number of leaves	Frequency
3	1
4	0
5	2
6	4
7	15

B

Number of leaves	Frequency
15	3
4	4
2	5
0	6
1	7

D

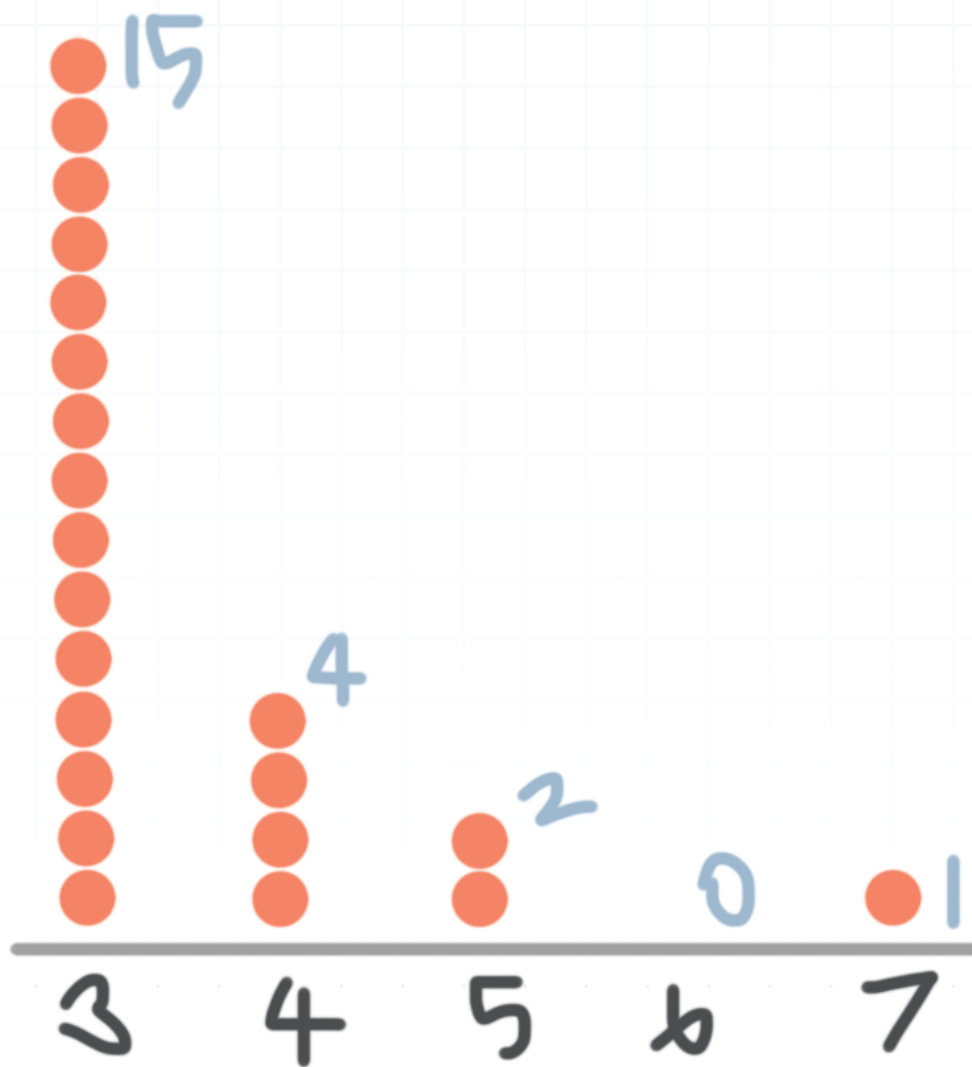| Number of leaves	Frequency
1	3
0	4
2	5
4	6
15	7

Solution: A

You want to count the number of points for each data point in the dot plot to find the frequencies in the table. Make sure the number of leaves goes on the left and the frequency on the right.

So the frequency table is

Number of leaves	Frequency
3	15
4	4
5	2
6	0
7	1