Name ANSWER KEY Date _____ Page 1

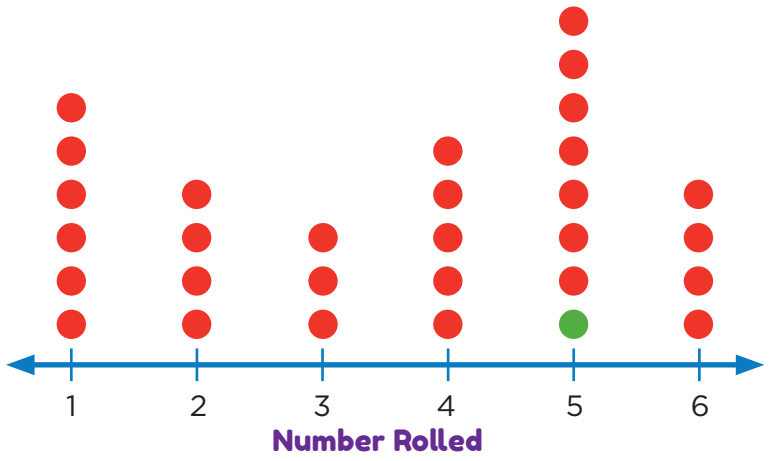
Dot Plots

1. Elias is playing his favorite board game. In the game, he rolls a six-sided die every turn. He takes 30 turns in the entire game, and the results of his rolls are below. Use the list to create a dot plot. The first dot has been plotted for you.

Numbers Rolled

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

Dice Rolls

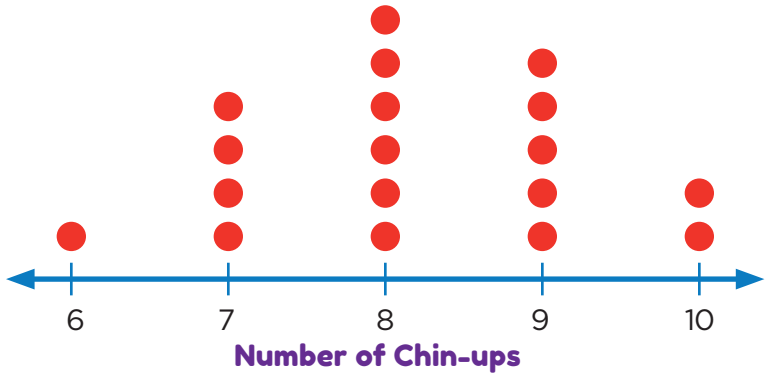


2. A fitness instructor counted how many chin-ups each person in the Monday night class could do. The number of chin-ups completed by each person is listed below. Use the list to fill in the frequency table. (The first row has been filled in for you.) Then create a dot plot.

~~6~~, 8, 9, 8, 7, 10,
8, 8, 9, 8, 9, 8,
9, 7, 9, 7, 7, 10

Number of Chin-ups	Number of People
6	1
7	4
8	6
9	5
10	2

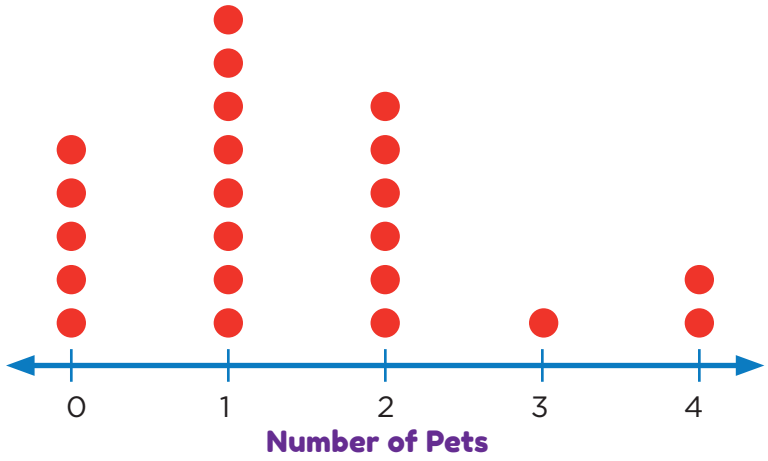
Fitness Class Chin-ups



Dot Plots

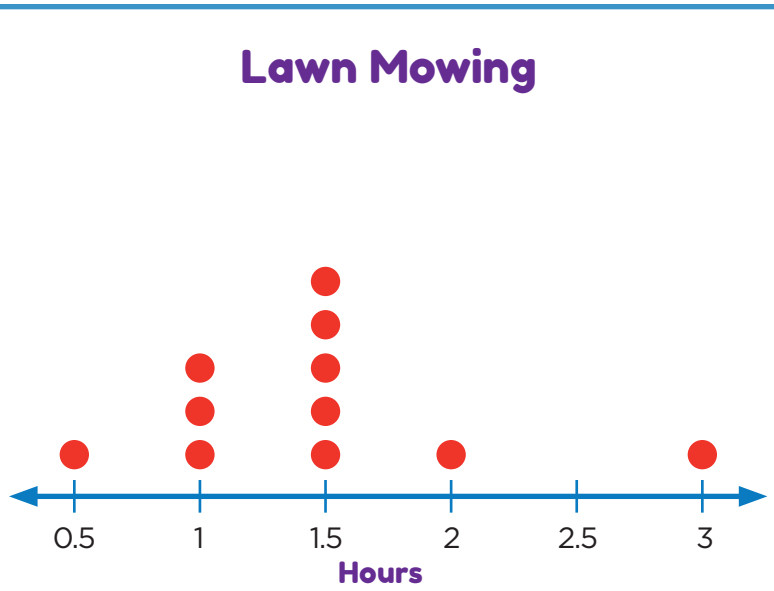
3. Marciano asked his classmates how many pets they each had. He recorded the data and made the frequency table shown below. Use the frequency table to create a dot plot.

Number of Pets	Number of Students
0	5
1	8
2	6
3	1
4	2



4. Victoria has a job mowing lawns around town. Last month, Victoria recorded how many hours it took to mow each lawn. Then she made the frequency table shown below. Use the frequency table to create a dot plot.

Number of Hours	Number of Lawns
0.5	1
1	3
1.5	5
2	1
3	1



Victoria is planning to mow a new customer's lawn, and she wonders how long it will take. When she sees the lawn, she estimates that it is about the same size as the lawns she usually mows. Based on your dot plot, what is your best guess for how long it might take Victoria to mow this new lawn? Explain your reasoning.

(Answers will vary) A good guess is 1.5 hours since 1.5 is the most common number of hours Victoria needed to mow a lawn.