04/10/2025 – Data Displays

Review of Unit 12 for Grade 6 (6A) – Fun theme: Favorites

Questions to follow along with show. Watch: Math Homework Hotline

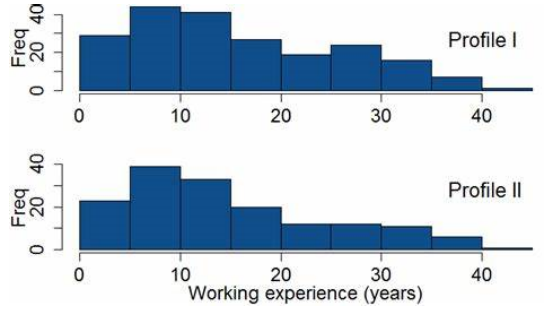
1) Frank counted the number of peanuts in each trail mix bag. Use the data to complete the histogram. (MA.6.DP.1.5)

Peanuts per bag:
{1, 5, 6, 7, 7, 9, 10, 12, 12, 12, 12, 24, 25}

2) Using a histogram, give examples of how to describe the shape of the distribution as: normal, left skewed, right skewed, and bimodal. (MA.6.DP.1.4)

Normal	Left skewed
Bimodal	Right skewed

3) Using statistical measures, how can you compare the two histograms? (MA.7.DP.1.2)



4) A coach is analyzing race times to determine how consistent the runners were. Based on the stem-and-leaf plot below, what is the most appropriate measure of variation to describe the typical race times? (MA.7.DP.1.1)

Race Times (seconds)

Stem	Leaf
13	9
14	2 6 7 9
15	1 3 4 6 8 9
16	1 3 6
17	0 2

Key: 13 | 9 = 13.9

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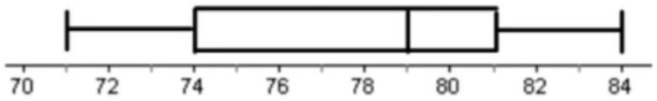
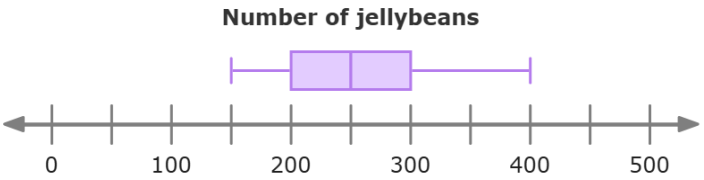
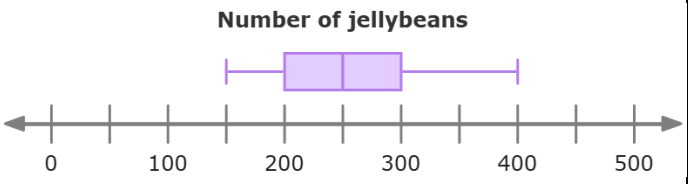
5) Find the five number summary of the box plot showing scores on last math quiz. (MA.6.DP.1.3)



6) Hanadi's Candy Shop recorded the jellybeans sold for a week. What was the fewest jellybeans sold in a day? (MA.6.DP.1.3)

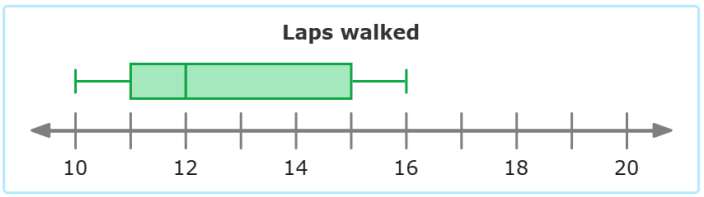


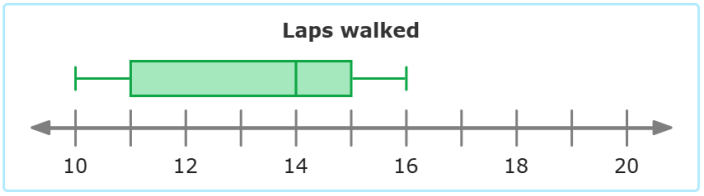
7) What is the shape of the distribution? (MA.6.DP.1.3)



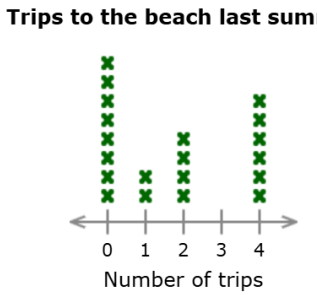
8) Rodriguez's volleyball team had a walkathon to raise money for the library. Each player counted how many laps he walked. Which box plot represents the data? (MA.6.DP.1.5)

Laps walked										
15	16	12	12	14	10	14	12	16	11	10





9) Describe the data in the line plot for students in class. (MA.6.DP.1.4)



10) Describe the data in the line plot for books checked out from the library. (MA.6.DP.1.4)