Name_____ Date_____ Period_____

LESSON 2-2 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Describe Dot Plot Shape

Builds on Lesson 2-1 Session 2 · 6.SP.B.4

TODAY'S LESSON	You will tell if a histogram is symmetric. In problem 6, bars 1, 2, 9, 2, 1 match on both sides.
YOU NEED TO	Find the peak, then check if both sides match. **You will use it in Practice Form A, problems 5 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 Find the **peak**, the tallest stack.

2 **Compare** stacks the same distance out on each side.

3 All pairs match: **symmetric**. If not: not symmetric.

WATCH ME

the steps in action

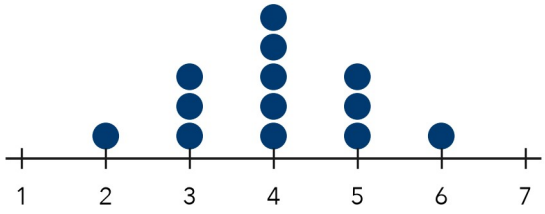
Is this dot plot symmetric?

Step 1 The peak is at 4, with 5 dots.

Step 2 Pairs: 3 and 3. 1 and 1.

Step 3 All pairs match. Symmetric.

Answer **Yes, symmetric with a peak at 4.**



TRY IT WITH HELP

fill in each step

1. Stack heights: 1, 2, 4, 2, 1. Is the plot symmetric?

Step 1 The peak is _____.

Step 2 Pairs: _____ and _____. _____ and _____.

Step 3 The plot is _____.

2. Stack heights: 1, 4, 6, 2, 1. Is the plot symmetric?

Step 1 The peak is _____.

Step 2 Pairs: _____ and _____. _____ and _____.

Step 3 The plot is _____.

YOUR TURN

use the steps on your own

3. Write S for symmetric or N for not symmetric.

a. 2, 5, 2 ____

b. 1, 1, 2, 5, 7 ____

c. 3, 4, 4, 3 ____

d. 1, 3, 7, 3, 1 ____

e. 2, 6, 3, 1 ____

f. 1, 4, 6, 4, 2 ____

Build a Frequency Table

Builds on Lesson 2-2 Session 1 · 6.SP.B.4

TODAY'S LESSON	You will sort tomato heights like 14, 22, and 18 into intervals before you name the shape.
YOU NEED TO	Count how many values fall in each interval. **You will use it in Practice Form A, problem 1.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write each **interval** in a column.
2. Make a **tally** for each value in its interval.
3. **Count** the tallies. Check the total.

WATCH ME

the steps in action

Make a frequency table for 13, 27, 5, 18, 22, 11, 7, 24, 16. Use 0–9, 10–19, 20–29.

Step 1 Intervals: 0–9, 10–19, 20–29.

Step 2 0–9: 5, 7. 10–19: 13, 18, 11, 16. 20–29: 27, 22, 24.

Step 3 2 + 4 + 3 = 9 values. That matches the list.

Answer **0–9: 2 10–19: 4 20–29: 3**

TRY IT WITH HELP

fill in each step

4. Make a frequency table for 4, 15, 8, 12, 19, 11.

Step 1 Intervals: _____ and 10–19.

Step 2 0–9 gets _____ tallies. 10–19 gets _____.

Step 3 Total: _____ values.

5. Make a frequency table for 21, 35, 28, 33, 24, 39, 30.

Step 1 Intervals: _____ and 30–39.

Step 2 20–29 gets _____ tallies. 30–39 gets _____.

Step 3 Total: _____ values.

YOUR TURN

use the steps on your own

6. Data: 12, 27, 18, 33, 24, 9, 30, 15. Find each frequency.

a. 0–9: _____ **b.** 10–19: _____ **c.** 20–29: _____

d. 30–39: _____ **e.** Total: _____

READY CHECK

a problem like the one in today's lesson

7. Data: 5, 14, 18, 22, 11, 3. How many values are in 10–19?

A 2 **B** 3 **C** 4 **D** 6

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____