Name_____ Date_____ Period_____

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

Read a Scaled Number Line

Builds on Grade 4 · 4.MD.A.2

TODAY'S LESSON	You will draw a dot plot on a number line. In problem 6 only every other number is labeled.
YOU NEED TO	Find what one jump is worth, then name each tick mark. **You will use it in Practice Form A, problems 2 and 6.**

STEPS TO FOLLOW

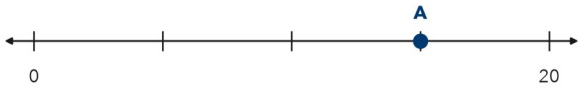
use these same steps on every problem

1. **Subtract** the two labels.
2. Count the **jumps** between them. Divide to find one jump.
3. **Count on** by one jump to name each tick.

WATCH ME

the steps in action

Labels are 0 and 20. There are 4 equal jumps.
What is point A?

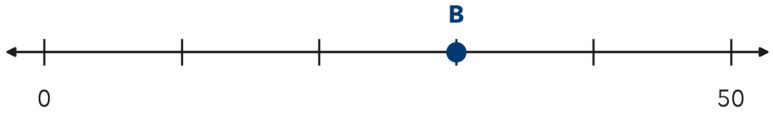


Step 1 20 − 0 = 20.
Step 2 4 jumps. 20 ÷ 4 = 5. One jump is 5.
Step 3 Count on: 5, 10, 15. Point A is 15.
Answer **One jump is 5. A = 15.**

TRY IT WITH HELP

fill in each step

1. Labels are 0 and 50. What is point B?



Step 1 50 − 0 = _____.
Step 2 _____ jumps. One jump is _____.
Step 3 Count on: 10, 20, _____. B = _____.

2. Labels are 12 and 18. There are 3 equal jumps. Name the ticks.

Step 1 18 − 12 = _____.
Step 2 3 jumps. One jump is _____.
Step 3 Count on: 12, _____, _____, 18.

YOUR TURN

use the steps on your own

3. Find what one jump is worth.

a. 0 to 20, 4 jumps: _____ **b.** 0 to 50, 10 jumps: _____ **c.** 0 to 100, 4 jumps: _____

d. 20 to 30, 5 jumps: _____ **e.** 10 to 40, 3 jumps: _____ **f.** 50 to 100, 5 jumps: _____

Spot Line Symmetry

Builds on Grade 4 · 4.G.A.3

TODAY'S LESSON	You will tell if a dot plot is symmetric. In problem 5 the stacks are 2, 3, 2.
YOU NEED TO	Check whether the stacks on the left match the stacks on the right. **You will use it in Practice Form A, problems 5 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **middle** stack.
2. **Compare** stacks the same distance out on each side.
3. If every pair **matches**, it is symmetric.

WATCH ME

the steps in action

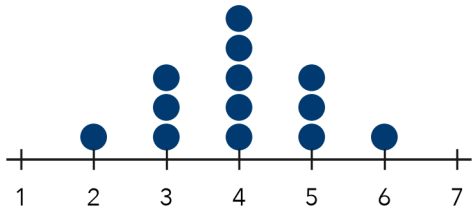
Stack heights, left to right: 1, 3, 5, 3, 1. Is the plot symmetric?

Step 1 The middle stack is 5.

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

Step 3 Every pair matches. It is symmetric.

Answer **Yes, it is symmetric.**



TRY IT WITH HELP

fill in each step

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

Step 1 The middle stack is _____.

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

Step 3 Do all pairs match? _____

5. Stack heights: 1, 3, 5, 2, 1. Is the plot symmetric?

Step 1 The middle stack is _____.

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

Step 3 Do all pairs match? _____

YOUR TURN

use the steps on your own

6. Write S if the stacks are symmetric. Write N if not.

a. 1, 4, 6, 4, 1 ____ **b.** 1, 4, 6, 3, 1 ____ **c.** 3, 5, 8, 5, 3 ____

d. 2, 2, 7, 2, 1 ____ **e.** 1, 2, 3, 2, 1 ____ **f.** 5, 3, 2, 1, 1 ____

READY CHECK

a problem like the one in today's lesson

7. Which stack heights make a symmetric dot plot?

A 1, 3, 6, 4, 1 **B** 2, 5, 8, 5, 2 **C** 4, 3, 2, 1, 1 **D** 1, 2, 3, 2, 2

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