Name_____ Date_____ Period_____

LESSON 8-4 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Read Number Line Scales

Builds on Grade 4 · 4.MD.A.2

TODAY'S LESSON	You will graph "at most 120 people" on a number line from 112 to 128.
YOU NEED TO	Find what one jump is worth, then name a point. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Subtract** two labels. Count the jumps between them.
2. **Divide**: difference ÷ jumps = one jump.
3. **Count** jumps from a label to the point.

WATCH ME

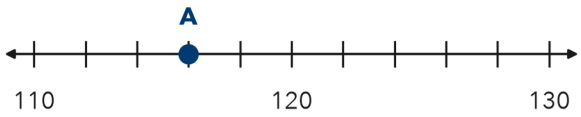
the steps in action

What number is at point A?

Step 1 120 − 110 = 10. There are 5 jumps.

Step 2 10 ÷ 5 = 2. Each jump is 2.

Step 3 A is 3 jumps past 110: 110 + 6 = 116.

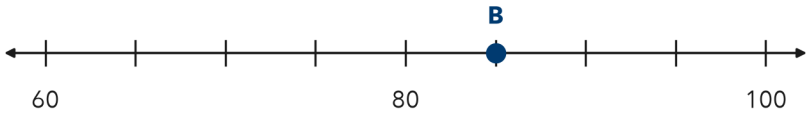


Answer **116**

TRY IT WITH HELP

fill in each step

1. What number is at point B?



Step 1 80 − 60 = _____. There are _____ jumps.

Step 2 20 ÷ 4 = _____. Each jump is 5.

Step 3 B is 1 jump past 80: _____.

2. A line has labels 0 and 50 with 5 jumps between. What number is 3 jumps past 0?

Step 1 50 − 0 = _____. There are 5 jumps.

Step 2 50 ÷ 5 = _____. Each jump is 10.

Step 3 3 jumps past 0: _____.

YOUR TURN

use the steps on your own

3. Find what one jump is worth.

a. 0 to 50, 5 jumps _____ **b.** 100 to 140, 4 jumps _____ **c.** 30 to 40, 10 jumps _____

d. 70 to 80, 5 jumps _____ **e.** 112 to 114, 2 jumps _____ **f.** 0 to 100, 4 jumps _____

Test Numbers Against a Limit

Builds on Grade 4 · 4.NBT.A.2

TODAY'S LESSON	For $n > 7$, you name three numbers that fit and one that does not.
YOU NEED TO	Decide if a number fits a rule like "less than 35." **You will use it in Practice Form A, problems 4 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Read** the rule: greater than or less than the limit?
2. **Compare** the number to the limit with <, > or =.
3. **Decide**: it fits only if it matches the rule.

WATCH ME

the steps in action

Does 14 fit the rule "greater than 14"?

Step 1 Rule: greater than 14.

Step 2 14 = 14.

Step 3 14 is not greater than 14. It does not fit.

Answer **No**

TRY IT WITH HELP

fill in each step

4. Does 34.5 fit the rule "less than 35"?

Step 1 Rule: _____ than 35.

Step 2 34.5 _____ 35.

Step 3 Fits? _____

5. Does 7 fit the rule "greater than 7"?

Step 1 Rule: _____ than 7.

Step 2 7 _____ 7.

Step 3 Fits? _____

YOUR TURN

use the steps on your own

6. Does the number fit the rule? Write yes or no.

a. less than 35: 34 ____ **b.** less than 35: 35 ____ **c.** greater than 7: 7.5 ____

d. greater than 7: 6 ____ **e.** under 22: 21 ____ **f.** over 50: 50 ____

READY CHECK

a problem like the one in today's lesson

7. Which number is NOT a solution of $n > 7$?

A 8 **B** 7.5 **C** 7 **D** 100

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