Name_____ Date_____ Period_____

LESSON 8-5 · SESSION 1 · 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 inequalities like $p \geq 250$ on number lines that skip-count.
YOU NEED TO	Find the number at a tick mark, like 250 on a line that counts by 50s. **You will use it in Practice Form A, problems 2, 3, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1 Find the **difference** between two labels.

2 **Divide** by the number of equal spaces. That is the step.

3 **Count on** by the step to name the tick.

WATCH ME

the steps in action

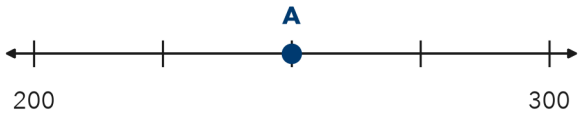
The labels are 200 and 300. Find the number at point A.

Step 1 300 − 200 = 100.

Step 2 There are 4 spaces. 100 ÷ 4 = 25. The step is 25.

Step 3 Count on: 200, 225, 250.

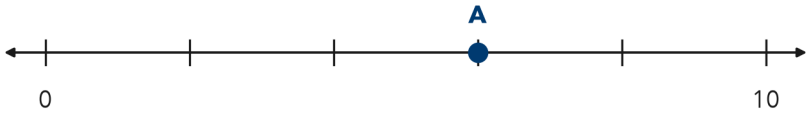
Answer **A = 250**



TRY IT WITH HELP

fill in each step

1. The labels are 0 and 10. Find the number at point A.



Step 1 10 − 0 = _____.

Step 2 There are 5 spaces. 10 ÷ 5 = _____. The step is 2.

Step 3 Count on: 0, 2, 4, _____. A = _____.

2. The labels are 0 and 100. There are 4 equal spaces. Point A is 3 ticks past 0.

Step 1 100 − 0 = _____.

Step 2 100 ÷ 4 = _____. The step is 25.

Step 3 Count on: 25, 50, _____. A = _____.

YOUR TURN

use the steps on your own

3. Find the size of each step.

a. 0 to 50, 10 spaces: _____

b. 100 to 200, 4 spaces: _____

c. 500 to 1,000, 10 spaces: _____

d. 0 to 40, 8 spaces: _____

Compare Multi-Digit Numbers

Builds on Grade 4 · 4.NBT.A.2

TODAY'S LESSON	You will name values that work for $p \geq 250$, like 300.
YOU NEED TO	Tell which number is greater, like 260 > 250. **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Count the **digits**. More digits means the greater number.
2. Same number of digits? Compare digits **from the left**.
3. The first **different** digit decides. Write <, >, or =.

WATCH ME

the steps in action

875 ___ 900

Step 1 Both numbers have 3 digits.

Step 2 Compare hundreds: 8 and 9.

Step 3 8 is less than 9, so 875 < 900.

Answer **875 < 900**

TRY IT WITH HELP

fill in each step

4. 252 ___ 250

Step 1 Both numbers have _____ digits.

Step 2 Hundreds match. Tens match. Compare ones: _____ and _____.

Step 3 252 _____ 250

5. 999 ___ 1,001

Step 1 999 has _____ digits. 1,001 has _____ digits.

Step 2 Same number of digits? _____

Step 3 999 _____ 1,001

YOUR TURN

use the steps on your own

6. Write <, >, or =.

a. 1,500 _____ 1,050 **b.** 36 _____ 63 **c.** 4,099 _____ 4,100

d. 18 _____ 18 **e.** 245 _____ 250 **f.** 1,650 _____ 1,605

READY CHECK

a problem like the one in today's lesson

7. A class needs at least 250 points: $p \geq 250$. Which total works?

A 245 **B** 205 **C** 260 **D** 25

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