Name_____ Date_____ Period_____

LESSON 7-1 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Combine Gains and Losses

Builds on Grade 4 · 4.OA.A.3

TODAY'S LESSON	You will find where moves end, like an elevator down 3 floors, then up 7.
YOU NEED TO	Combine gains and losses to find the change, like down 3 and up 7 is up 4. **You will use it in Practice Form A, problem 8 (Session 1).**

STEPS TO FOLLOW

use these same steps on every problem

1. Add all the **gains** (or ups).
2. Add all the **losses** (or downs).
3. **Subtract** the smaller total. The bigger total names the direction.

WATCH ME

the steps in action

Gain 14, lose 6, then gain 3. What is the change?

Step 1 Gains: 14 + 3 = 17

Step 2 Losses: 6

Step 3 17 − 6 = 11. Gains are bigger.

Answer **a gain of 11**

TRY IT WITH HELP

fill in each step

1. Down 3 floors, then up 7 floors. What is the change?

Step 1 Ups: _____

Step 2 Downs: _____

Step 3 7 − 3 = _____. The bigger side is _____.

2. Lose 12, then gain 5. What is the change?

Step 1 Gains: _____

Step 2 Losses: _____

Step 3 12 − 5 = _____. The bigger side is _____.

YOUR TURN

use the steps on your own

3. Write the change. Name the direction.

a. gain 9, lose 4 _____

b. gain 20, lose 20 _____

c. lose 8, gain 15 _____

d. lose 3, lose 5, gain 10 _____

e. rise 7, fall 11 _____

f. up 6, down 2 _____

Choose a Number Line Scale

Builds on Grade 2 · 2.MD.B.6

TODAY'S LESSON	You will plot 8, −8, 21, and −15 on one number line.
YOU NEED TO	Choose a jump size that fits the numbers, like jumps of 5 up to 25. **You will use it in Practice Form A, problems 3 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **greatest** number you must plot.
2. Choose a **jump** that lands on or near each number.
3. **Divide** the greatest number by the jump to count the jumps.

WATCH ME

the steps in action

Choose a scale to plot 15, 35, and 40.

Step 1 The greatest number is 40.

Step 2 15, 35, and 40 are all counts by 5. Use jumps of 5.

Step 3 40 ÷ 5 = 8 jumps.

Answer **jumps of 5, 8 jumps from 0 to 40**

TRY IT WITH HELP

fill in each step

4. Choose a scale to plot 20, 60, and 90.

Step 1 The greatest number is _____.

Step 2 Use jumps of _____.

Step 3 90 ÷ 10 = _____ jumps.

5. Choose a scale to plot 50, 150, and 200.

Step 1 The greatest number is _____.

Step 2 Use jumps of _____.

Step 3 200 ÷ 50 = _____ jumps.

YOUR TURN

use the steps on your own

6. How many jumps from 0 to the number?

a. 35 by 5s _____ **b.** 240 by 20s _____ **c.** 150 by 25s _____

d. 90 by 15s _____ **e.** 400 by 50s _____ **f.** 21 by 3s _____

READY CHECK

a problem like the one in today's lesson

7. Which number line can show 8, −8, 21, and −15?

A −10 to 10, by 1s **B** −20 to 25, by 5s **C** 0 to 25, by 5s **D** −15 to 15, by 5s

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