Name_____ Date_____ Period_____

LESSON 7-6 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Solve How-Much-Farther Problems

Builds on Grade 4 · 4.NBT.B.4

TODAY'S LESSON	Kendra hikes 9 km and Owen hikes 12 km. Owen hikes 12 − 9 = 3 km farther.
YOU NEED TO	Find how much farther: greater − smaller. **You will use it in Practice Form A, problems 3 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the two **distances**.
2. Pick the **greater** one.
3. **Subtract**: greater − smaller.

WATCH ME

the steps in action

Tariq rides 13 blocks. Jada rides 15 blocks. Who rides farther, and by how much?

Step 1 13 blocks and 15 blocks.

Step 2 15 is greater, so Jada rides farther.

Step 3 15 − 13 = 2.

Answer **Jada, by 2 blocks**

TRY IT WITH HELP

fill in each step

1. Gym to field is 130 m. Gym to office is 90 m. How much longer is the gym-to-field trip?

Step 1 The distances are _____ and _____.

Step 2 The greater one is _____.

Step 3 130 − 90 = _____ m

2. Ana walks 9 units. Ben walks 4 units. How much farther does Ana walk?

Step 1 The distances are _____ and _____.

Step 2 The greater one is _____.

Step 3 9 − 4 = _____ units

YOUR TURN

use the steps on your own

3. How much farther is the longer trip?

a. 245 m or 180 m _____

b. 1,200 m or 950 m _____

c. 36 m or 58 m _____

d. 407 m or 389 m _____

Move Along a Number Line

Builds on Lesson 7-2 · 6.NS.C.6c

TODAY'S LESSON	Point U is 22 units below (−4, 16). You count down 22 from 16, past 0, to −6.
YOU NEED TO	Start at a number and move, like 16 moved down 22. **You will use it in Practice Form A, problems 4 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Start at the **first** number.
2. Up or right: **add**. Down or left: subtract.
3. Find the **new** number. It can be negative.

WATCH ME

the steps in action

Start at 16. Move down 22.

Step 1 Start at 16.

Step 2 Down means subtract: 16 − 22.

Step 3 16 down to 0 is 16 units. 6 more is −6.

Answer **−6**

TRY IT WITH HELP

fill in each step

4. Start at 13. Move left 20.

Step 1 Start at _____.

Step 2 Left means _____: 13 − 20

Step 3 13 to 0, then _____ more: _____

5. Start at −3. Move up 10.

Step 1 Start at _____.

Step 2 Up means _____: −3 + 10

Step 3 −3 to 0 is 3. Then _____ more: _____

YOUR TURN

use the steps on your own

6. Find the new number.

a. 5, move down 8 _____ **b.** −2, move right 9 _____ **c.** 10, move left 15 _____

d. −6, move up 6 _____ **e.** 4, move down 12 _____ **f.** −1, move right 5 _____

READY CHECK

a problem like the one in today's lesson

7. Point G is at (9, −2). Point H is 14 units directly to the left of G. Name point H.

A (23, −2) **B** (−5, −2) **C** (9, −16) **D** (5, −2)

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