Name_____ Date_____ Period_____

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

Fractions on a Number Line

Builds on Grade 3 · 3.NF.A.2

TODAY'S LESSON	You will plot fractions and decimals, like −11/4, on a number line.
YOU NEED TO	Find where a fraction like 11/4 sits between two whole numbers. **You will use it in Practice Form A, problems 1 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Look at the **bottom number**. Split each whole into that many equal parts.
2. Count the **top number** of parts, starting at 0.
3. Mark the point. Name the whole numbers on each side.

WATCH ME

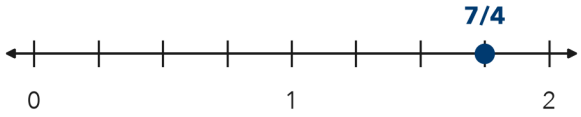
the steps in action

Where is 7/4 on a number line?

Step 1 The bottom number is 4. Split each whole into 4 equal parts.

Step 2 Count 7 parts from 0. Four parts reach 1, then 3 more.

Step 3 Mark the point. It is between 1 and 2.

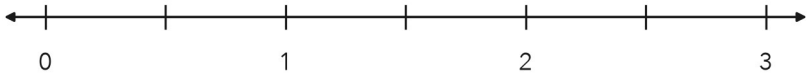


Answer **7/4 is between 1 and 2.**

TRY IT WITH HELP

fill in each step

1. Where is 5/2 on a number line?



Step 1 Split each whole into _____ equal parts.

Step 2 Count _____ parts from 0. Mark the point.

Step 3 5/2 is between _____ and _____.

2. Where is 10/3 on a number line?

Step 1 Split each whole into _____ equal parts.

Step 2 Count _____ parts from 0. Every 3 parts make 1 whole.

Step 3 10/3 is between _____ and _____.

YOUR TURN

use the steps on your own

3. Write the two whole numbers each fraction is between.

a. 9/4 _____ **b.** 7/2 _____ **c.** 5/3 _____

d. 11/4 _____ **e.** 13/5 _____ **f.** 3/2 _____

Decimals Between Whole Numbers

Builds on Grade 4 · 4.NF.C.6

TODAY'S LESSON	You will plot measurements like 3.5 m and −12.5 m on a number line.
YOU NEED TO	Find the two whole numbers a decimal sits between. **You will use it in Practice Form A, problems 2 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. The number before the point is the **whole number**.
2. The next whole number is **one more**.
3. The digit after the point tells **how many tenths** past the whole number.

WATCH ME

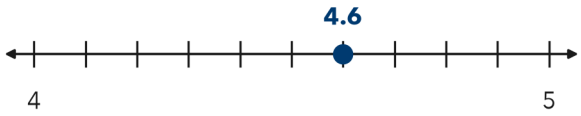
the steps in action

Where is 4.6 on a number line?

Step 1 The whole number is 4.

Step 2 The next whole number is 5.

Step 3 6 tenths past 4. Mark it closer to 5.



Answer **4.6 is between 4 and 5.**

TRY IT WITH HELP

fill in each step

4. Where is 2.3 on a number line?

Step 1 The whole number is _____.

Step 2 The next whole number is _____.

Step 3 2.3 is _____ tenths past 2.

5. Where is 12.5 on a number line?

Step 1 The whole number is _____.

Step 2 The next whole number is _____.

Step 3 12.5 is 5 tenths past 12. That is halfway between _____ and _____.

YOUR TURN

use the steps on your own

6. Write the two whole numbers each decimal is between.

a. 5.4 _____ **b.** 0.8 _____ **c.** 9.9 _____

d. 3.5 _____ **e.** 12.1 _____ **f.** 7.25 _____

READY CHECK

a problem like the one in today's lesson

7. A float sits 2.5 m above the water. Between which two whole numbers is 2.5?

A 1 and 2 **B** 2 and 3 **C** 3 and 4 **D** 2.5 and 3

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