LESSON MAKER PRO

Fraction Hops

Find fractions by counting equal steps.

GRADE 3 · MT.3.NF.2

MT.3.NF.2 "Understand a fraction as a number on the number line by: Representing a unit fraction on a number line, Representing a fraction as multiple copies of a unit fraction on a number line, and Representing fractions on a number line."

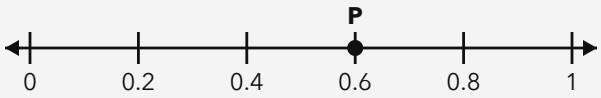
NAME _____ DATE _____

COUNT THE STEPS

A fraction can name a point on a number line. Divide the space from 0 to 1 into equal parts. Each step is a unit fraction, and the number of steps from 0 tells you the fraction at a point.

WORKED EXAMPLE

What fraction is at P?



1. Count 5 equal spaces from 0 to 1.
2. Each space is 1/5.
3. Count 3 spaces from 0 to P.

Answer: P is at 3/5.

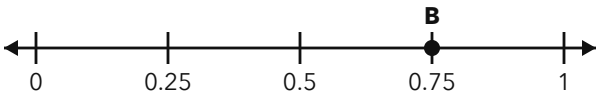
PRACTICE 6 problems

1 What fraction is at A?



ANSWER _____

2 What fraction is at B?



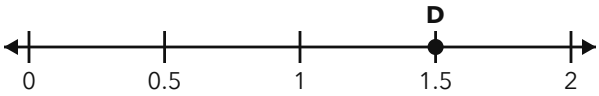
ANSWER _____

3 What fraction is at C?



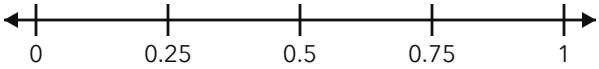
ANSWER _____

4 What fraction is at D? Write your answer in halves.



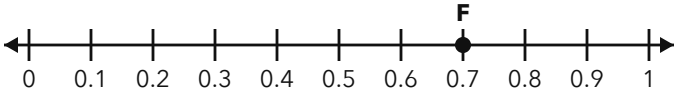
ANSWER _____

5 Mark 1/4 on the number line. Label the point E.



ANSWER _____

6 How many 1/10 steps are there from 0 to F? What fraction is at F?

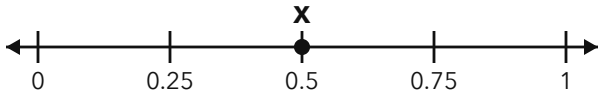


ANSWER _____

_____

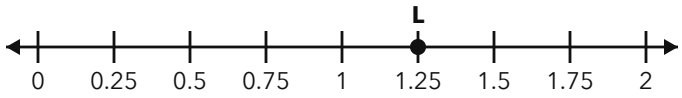
APPLY IT Show your work

1 Maya's game character starts at 0 and reaches X on this path. What fraction of the path has the character traveled? Write your answer in fourths.



ANSWER _____

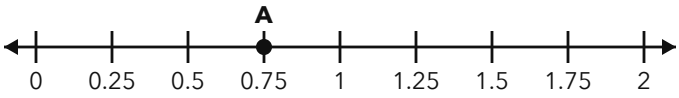
2 Each whole number on this line stands for one lap around the playground. Leo starts at 0 and stops at L. How many laps has he run? Write your answer in fourths.



ANSWER _____

CHALLENGE One step up

A frog starts at 0 and makes equal jumps from tick to tick. Its third jump lands at A. What fraction is at its seventh jump? Explain how you know.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Hops

GRADE 3 · MT.3.NF.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What fraction is at A?	**1/2**
2	What fraction is at B?	**3/4**
3	What fraction is at C?	**5/8**
4	What fraction is at D? Write your answer in halves.	**3/2**
5	Mark 1/4 on the number line. Label the point E.	**E at the first tick after 0**
6	How many 1/10 steps are there from 0 to F? What fraction is at F?	**7 steps; 7/10**

PART 2 · APPLY IT

1. **2/4** Each step is 1/4 of the path. X is two steps from 0, so the character has traveled 2/4.
2. **5/4 laps** Each step is 1/4 of a lap. L is five steps from 0, so Leo ran 5/4 laps.

CHALLENGE

7/4. Each jump is 1/4, so seven jumps from 0 land at 7/4.

For the challenge, accept 1 3/4 if the explanation correctly counts seven jumps of 1/4. For problem 5, E must be on the first tick after 0.