LESSON MAKER PRO

Fraction Steps

Count equal steps from zero.

GRADE 3 · 3.NF.A.14.b

3.NF.A.14.b "Represent a fraction (a/b) on a number line by marking off a lengths of size (1/b) from zero."

NAME _____ DATE _____

THE BIG IDEA

A number line from 0 to 1 can be split into equal steps. If it has b equal steps, each step is 1/b. To find a/b, count a steps from 0.

WORKED EXAMPLE

What fraction does A show?

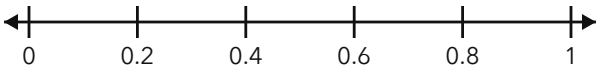


1. Count 4 equal steps from 0 to 1.
2. Each step is 1/4.
3. Count 3 steps from 0 to A.

Answer: A shows 3/4.

PRACTICE 6 problems

1 Mark A at 2/5 on the number line.



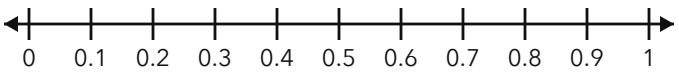
ANSWER _____

2 What fraction does B show?



ANSWER _____

3 Mark C at 7/10 on the number line.



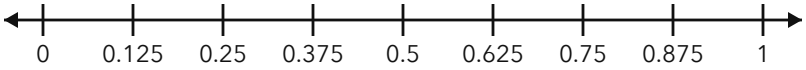
ANSWER _____

4 What fraction does D show?



ANSWER _____

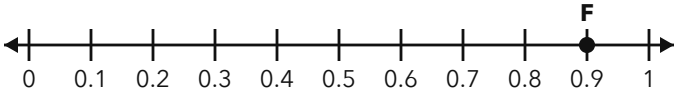
5 Mark E at 1/2. How many tick steps is E from 0?



ANSWER _____

_____

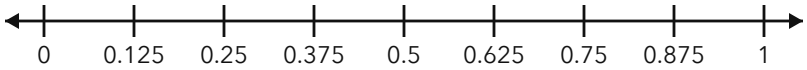
6 What fraction does F show?



ANSWER _____

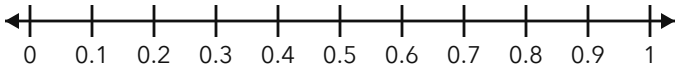
APPLY IT Show your work

1 In a game, a player moves along a track split into 8 equal parts. Each part is 1/8 of the track. Nia moves 7 parts from the start. Mark N to show how far she moved. What fraction of the track is that?



ANSWER _____

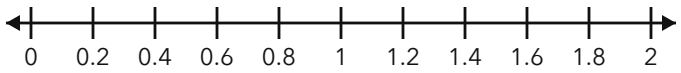
2 A video game level is split into 10 equal parts. Mia finishes 6 parts. Mark M to show her progress. What fraction of the level has she finished?



ANSWER _____

CHALLENGE One step up

Mark X after 7 steps of 1/5 from 0. Explain in one sentence why X is past 1.



WORK SPACE AND ANSWER

ANSWER KEY

Fraction Steps

GRADE 3 · 3.NF.A.14.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mark A at 2/5 on the number line.	**A is at the second tick after 0.**
2	What fraction does B show?	**5/8**
3	Mark C at 7/10 on the number line.	**C is at the seventh tick after 0.**
4	What fraction does D show?	**1/8**
5	Mark E at 1/2. How many tick steps is E from 0?	**E is at the fourth tick after 0; 4 tick steps.**
6	What fraction does F show?	**9/10**

PART 2 · APPLY IT

1. **N is at the seventh tick after 0; 7/8 of the track.** Count 7 steps of 1/8 from 0 to place N at 7/8.
2. **M is at the sixth tick after 0; 6/10 of the level.** Each tick is 1/10. Count 6 ticks from 0 to place M at 6/10.

CHALLENGE

X is at the seventh tick after 0, or 7/5. Five steps reach 1, so seven steps go past 1.

For marking tasks, accept a clearly marked point at the correct tick. For problem 5, E may be labeled 4/8 because 4/8 and 1/2 are at the same point.