LESSON MAKER PRO

Fraction Trackers

Find halves, fourths, and eighths on a number line.

GRADE 3 · TEKS 3.7.A

3.7.A "represent fractions of halves, fourths, and eighths as distances from zero on a number line;"

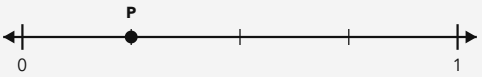
NAME _____ DATE _____

DISTANCE FROM ZERO

A fraction on a number line tells how far a point is from 0. Count the equal spaces from 0, then write the number of spaces moved over the total number of equal spaces. Points farther right are farther from 0.

WORKED EXAMPLE

What fraction names point P?

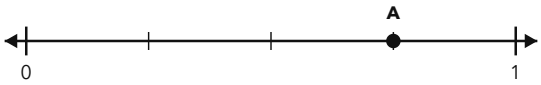


1. The line from 0 to 1 has 4 equal spaces.
2. Point P is 1 space to the right of 0.
3. Write spaces moved over total spaces: 1/4.

Answer: 1/4

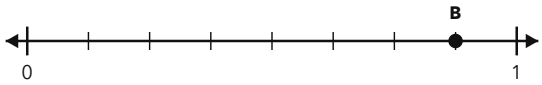
PRACTICE 6 problems

1 What fraction names point A?



ANSWER _____

2 What fraction names point B?



ANSWER _____

3 A point is 1/2 unit from 0. Write the fraction for its location.

ANSWER _____

4 Which fraction is farther from 0, 3/8 or 1/2?

ANSWER _____

5 Write 6/8 in fourths.

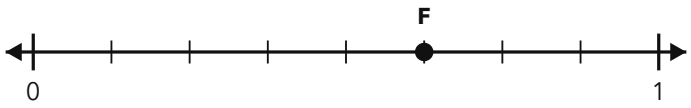
ANSWER _____

6 Mia says 2/4 and 4/8 are different locations on a number line. Is Mia correct? Write yes or no. Then write the fraction for that location in halves.

ANSWER _____

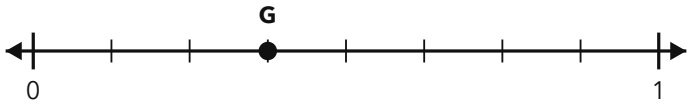
APPLY IT Show your work

1 Kai tracks a toy car race from 0 to 1 mile. Point F shows the car's distance from the start. How far has the car traveled?



ANSWER _____

2 In a video game, Ava fills a progress meter from 0 to 1. Point G shows how much of the level she has finished. What fraction of the level has Ava finished?



ANSWER _____

CHALLENGE One step up

A robot stops at 1/8, 1/2, and 7/8 unit from 0. List the stops from closest to 0 to farthest from 0. Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Trackers

GRADE 3 · TEKS 3.7.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What fraction names point A?	**3/4**
2	What fraction names point B?	**7/8**
3	A point is 1/2 unit from 0. Write the fraction for its location.	**1/2**
4	Which fraction is farther from 0, 3/8 or 1/2?	**1/2**
5	Write 6/8 in fourths.	**3/4**
6	Mia says 2/4 and 4/8 are different locations on a number line. Is Mia correct? Write yes or no. Then write the fraction for that location in halves.	**No; 1/2**

PART 2 · APPLY IT

1. **5/8 mile** The number line is split into 8 equal spaces. Point F is 5 spaces from 0, so the distance is 5/8 mile.
2. **3/8** The meter has 8 equal spaces. Point G is 3 spaces to the right of 0, so Ava has finished 3/8.

CHALLENGE

1/8, 1/2, 7/8. On a number line, the point farther right is farther from 0.

Accept equivalent fractions when they name the same location, except problem 5 should be written in fourths. For problem 6, accept "No, they both equal 1/2" or an equivalent explanation.