

FAMILY MATH

Fractions on the Number Line

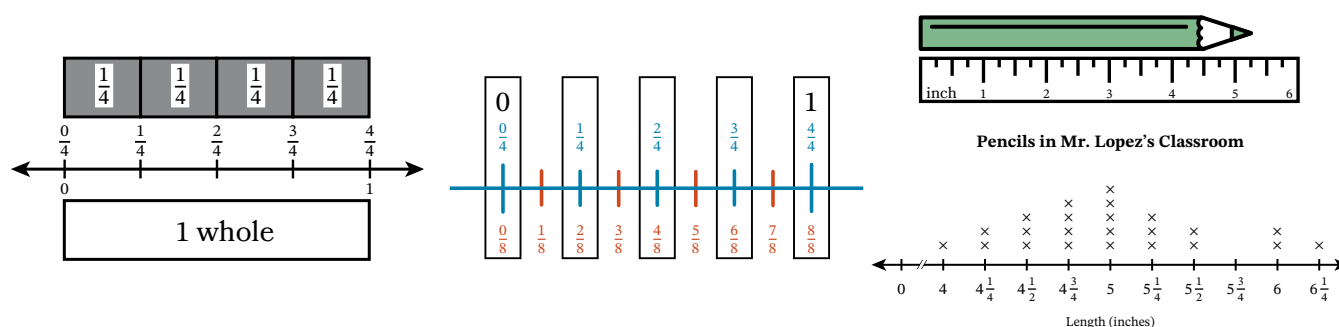
Dear Family,

Your student is learning to represent fractions between 0 and 1 on a number line. This helps them see fractions as numbers. They learn that a fraction's distance from 0 is also its value. They learn that fractions and whole numbers with the same location on the number line have the same value and are equivalent. Your student uses their newly learned fraction concepts to measure objects to the nearest half inch and quarter inch, and they create a line plot with the measurements.

Key Terms

equivalent

equivalent fractions



Students use fraction tiles to label fractions on a number line.

Students plot related fractional units, such as fourths and eighths, on the same number line.

$\frac{3}{4}$ and $\frac{6}{8}$ have the same value and are equivalent fractions.

1 , $\frac{4}{4}$, and $\frac{8}{8}$ have the same value and are equivalent.

Students measure objects with a ruler and see that there are fractions between all whole numbers, not just between 0 and 1. They organize their measurement data on a line plot.

At-Home Activity

Walk the Line

Make a large number line by using chalk or masking tape. Practice naming fractions based on their location.

- Mark and label the beginning and end of the line as 0 and 1.
- Add a tick mark dividing the number line into halves.
- Have your student start at 0, walk to the tick mark, and name the fraction that represents the distance from 0 they walked ($\frac{1}{2}$). Next, have your student continue walking to 1 and name a fraction to represent the distance from 0 they walked ($\frac{2}{2}$).

- Add two more tick marks to partition the number line into fourths. Have your student walk from 0 to each mark and name a fraction to represent the distance from 0 they walked.
- For an extra challenge, have your student start at 0 and walk to the fractions on the number line that you call out.