

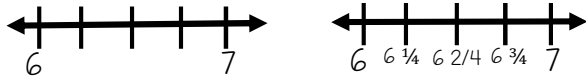
# 3.NF.2 Parent Helper

I CAN LABEL FRACTIONS ON A NUMBER LINE BECAUSE I KNOW THE SPACE BETWEEN ANY TWO NUMBERS CAN BE THOUGHT OF AS A WHOLE.

Your child is learning to recognize and identify fractions on a number line.

## Sample Problems:

Label the fractions on the number line.



## Vocabulary Terms:

Numerator

Denominator

Fraction

Halves, Thirds, Fourths...

Number line

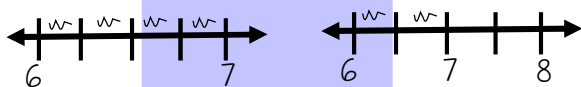
Whole number

## Need more resources?

[www.thatquiz.org](http://www.thatquiz.org) has a lot of fraction practice games your child can play at home. You can also do a google search of the standard "3.NF.2" or "Fraction number line games". There are lots of free fraction apps in the app store too.

## Helping my child:

The most common problem students have when labeling fractions on a number line is not knowing what the denominator is. Students tend to count the lines instead of the spaces in-between the lines. To help your child, have them draw squiggles above the spaces between the lines. Students should only do this between two whole numbers. So if the number line range is from 6–8, students should only count spaces between 6 and 7. See example below.



In the first number line, all lines would be labeled as fourths due to there being four spaces between the two whole numbers. In the second number line, the fractions would be labeled as halves, due to their only being two spaces between the whole numbers 6 and 7.

## Challenging my child:

Is this standard easy for your child? Challenge your child to use a ruler and measure items around the house. Help your child to read the different lines and increments on a ruler.