

Locating Negative Fractions and Decimals on a Number Line

Name _____

When locating a number on a number line, these three questions are helpful:

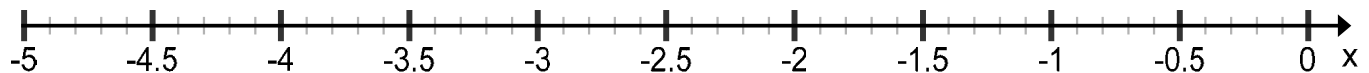
Questions:

1. What two integers does it belong between?
2. Is it more or less than half the distance to the left of the greater?
 - If it's a fraction is the numerator less than half or more than half the denominator?
 - If it's a decimal, is the decimal part greater than 0.5 or less than 0.5 the distance from the greater number?
3. In its decimal form, approximately how many tenths is it to the left of the greater number?

Example 1

A. Where is $-4 \frac{2}{5}$ located on a number line?

Show which two whole numbers $-4 \frac{2}{5}$ is between?



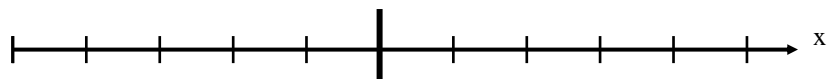
B. Is it more or less than half the distance to the left of the greater?

Label this number line to show.



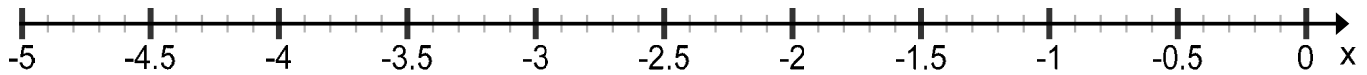
C. In its decimal form, about how many tenths is it to the left of the greater number?

Label this number line to show.



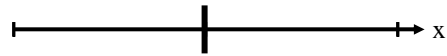
Example 2

A. Where is -3.82 located on a number line?



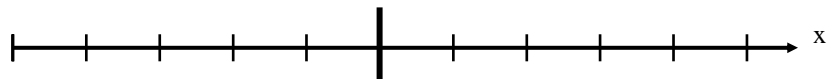
B. Is it more or less than half the distance to the left of the greater?

Label this number line to show.



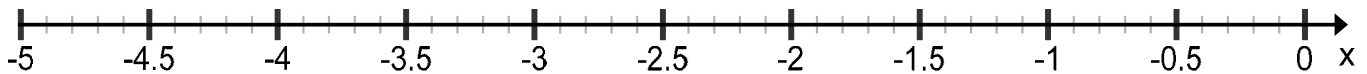
C. In its decimal form, about how many tenths is it to the left of the greater number?

Label this number line to show.



Example 3

A. Where is $-1\frac{2}{5}$ located on a number line?



B. Is it more or less than half the distance to the left of the greater?

Label this number line to show.



C. In its decimal form, about how many tenths is it to the left of the greater number?

Label this number line to show.

