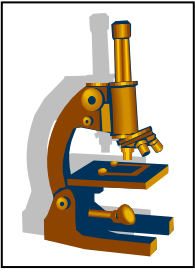


Locating Rational Numbers on a Number Line



Name _____

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

Questions:

1. What two whole numbers does it belong between?
2. Is it more or less than half the distance from the lesser whole number to the greater number?
 - 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 more than 0.5 or less than 0.5?
 - If it's a percent, is it more than 50% or less than 50%?
3. In its decimal form, approximately how many tenths is it?

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?



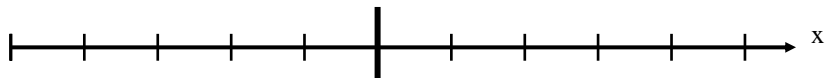
B. Is it more or less than half the distance from the lesser whole number to the greater number?

Label this number line to show.



C. In its decimal form, about how many tenths is it?

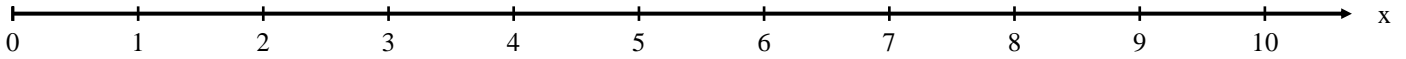
Label this number line to show.



Example 2

A. Where is 780% located on a number line?

Show which two whole numbers 780% is between?



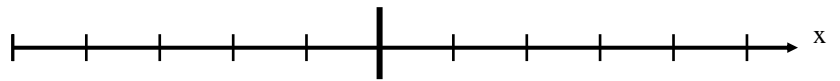
B. Is it more or less than half the distance from the lesser whole number to the greater number?

Label this number line to show.



C. In its decimal form, about how many tenths is it?

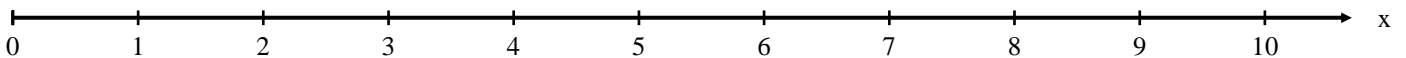
Label this number line to show.



Example 3

A. Where is 6.21 located on a number line?

Show which two whole numbers 6.21 is between?



B. Is it more or less than half the distance from the lesser whole number to the greater number?

Label this number line to show.



C. In its decimal form, about how many tenths is it?

Label this number line to show.

