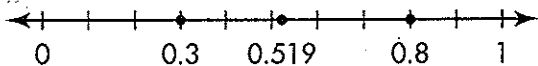


# Fractions and Decimals on the Number Line

Show 0.8,  $\frac{6}{20}$ , and 0.519 on the same number line.



**Step 1:** Starting at 0, count 8 tenths to the right. This point is 0.8 or  $\frac{8}{10}$ .

**Step 2:** Change  $\frac{6}{20}$  to a decimal.  $\frac{6}{20}$  can be thought of as  $6 \div 20$ .  
 $6 \div 20 = 0.3$

Starting at 0, count 3 tenths to the right. This point is  $\frac{6}{20}$  or 0.3.

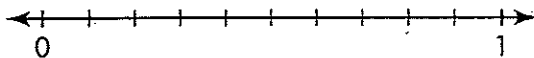
**Step 3:** Estimate the location of 0.519.

You know that 0.5 is the same as 0.500. You also know that 0.6 is the same as 0.600. So, 0.519 is between 0.5 and 0.6.

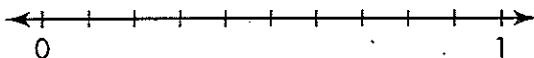
You know that  $0.519 < 0.550$ . So, 0.519 is between 0.500 and 0.550 and closer to 0.500 than to 0.550.

Show each set of numbers on the same number line.

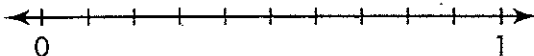
1. 0.1,  $\frac{6}{10}$ , 0.5



2.  $\frac{9}{10}$ , 0.7,  $\frac{4}{20}$



3. 0.25, 0.40, and  $\frac{5}{50}$



Name the fraction and decimal for each point.

4. Point A \_\_\_\_\_

5. Point B \_\_\_\_\_

6. Point C \_\_\_\_\_

