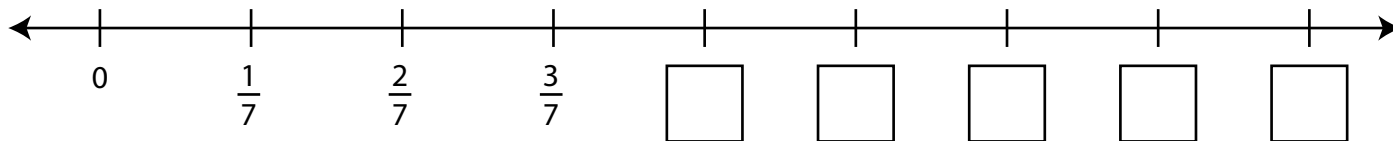
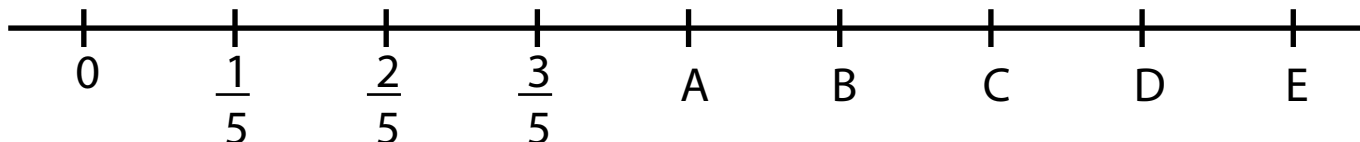


Fractions on Number Lines

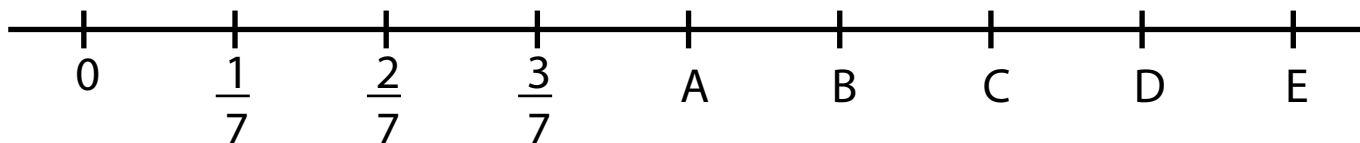
1. Fill the boxes with the fractions that go there.



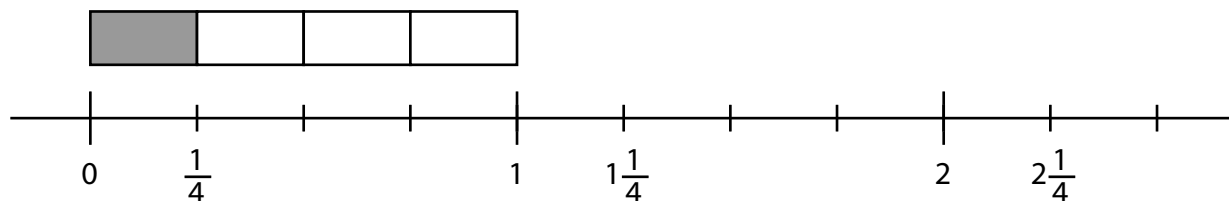
2. Which fractions belong at A, B, C, D, and E?



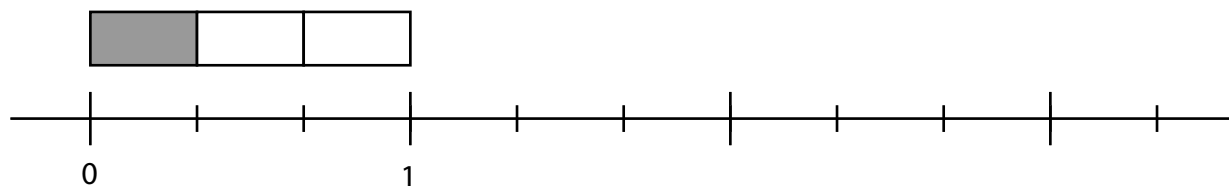
3. Which fractions belong at A, B, C, D, and E? Write the numbers at D and E in two different ways.



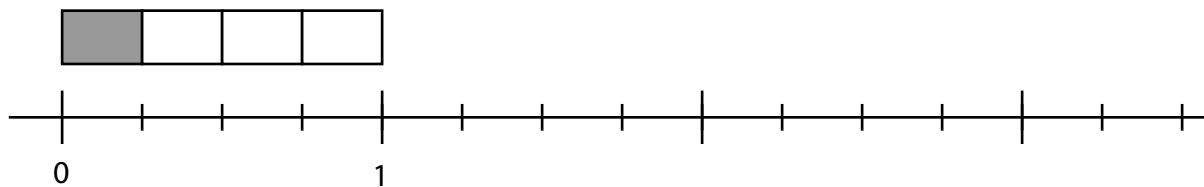
4. Label the unlabeled tick marks on the number line with the correct fractions or mixed numbers.



5. Label the unlabeled tick marks on the number line with the fractions that belong there. Write each improper fraction as a mixed number.



6. Label the unlabeled tick marks on the number line with the fractions that belong there. Write each improper fraction as a mixed number.



[The following hint was given to the students after they attempted the problem. Students were then allowed to work on the problem some more.] In elementary school you learned to count by 2s, by 5s, by 10s, and by other numbers. We can also count by halves, by thirds, by fourths, and by other fractions. Try counting by a fraction to help you label the tick marks. Which fraction should you count by?

Remember that there are many fractions that are equal to 1. For example,

$$\frac{2}{2} = 1 \quad \frac{3}{3} = 1 \quad \frac{4}{4} = 1 \quad \frac{5}{5} = 1$$

If we count by fifths, then every time we get to another 5 fifths, we will have another whole 1.