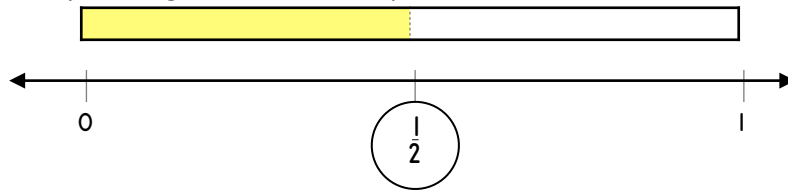
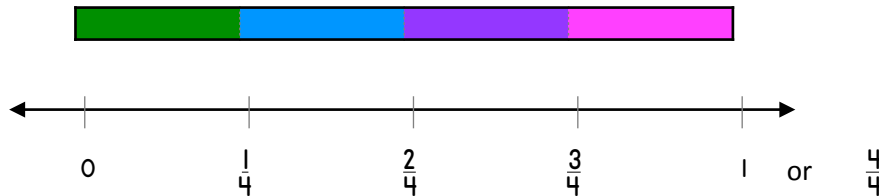


❖ Teach the child to locate rational numbers on a number line. Rational numbers are fractions.

- Have the child color one-half of the box on worksheet 1b, part A. Explain that a number line can be divided in half in the same way. Have the child circle the  $\frac{1}{2}$  mark on the number line. Ask, "Is this mark halfway between the zero and one?" (yes) We show fractional parts of numbers on a number line by dividing the section evenly between whole numbers.

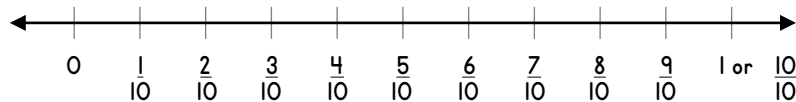


- Worksheet 1b, part B: From left to right, have the child color one-fourth of the box green. Color one-fourth of the box blue. Color one-fourth of the box purple. Color one-fourth of the box pink.



- ◆ Ask the child, "If you have the green, blue, and purple boxes, what fractional part do you have?" ( $\frac{3}{4}$ )
- ◆ "If you have the green box, what fractional part do you have?" ( $\frac{1}{4}$ )
- ◆ "If you have the green and blue boxes, what fractional part do you have?" ( $\frac{2}{4}$ )
- ◆ Why is  $\frac{4}{4}$  the same as 1? (*If you have all four parts, you have the whole thing. So  $\frac{4}{4}$  is equal to 1.*)
- ◆ Compare the box divided in half to the box divided into fourths. What fraction is equivalent to  $\frac{1}{2}$ , or shows the same amount of colored box? ( $\frac{2}{4}$ )
- Worksheet 1b, part C: From left to right, have the child fill in the missing fractions to divide the number line into tenths. Then answer the questions.

Answers:



- ◆ What fraction is equivalent to  $\frac{1}{2}$  and  $\frac{2}{4}$ ? ( $\frac{5}{10}$ )
- ◆ Name a fraction that is equivalent to 1. ( $\frac{2}{2}$ ,  $\frac{4}{4}$ ,  $\frac{10}{10}$ )
- ◆ Which is greater,  $\frac{3}{10}$  or  $\frac{7}{10}$ ? ( $\frac{7}{10}$ )
- ❖ Worksheet 1b, part D: Have the child write the fraction that the number line shows.

Answers:

1.  $\frac{2}{8}$
2.  $\frac{7}{10}$
3.  $\frac{2}{6}$
4.  $\frac{2}{3}$

- ❖ Worksheet 1b, part E: Have the child answer each word problem.

Answers:

1.  $\frac{5}{8}$ , 3 carpals
2. 3 players,  $\frac{3}{4}$
3.  $\frac{2}{3}$ , 6 fractures
4.  $\frac{4}{7}$ , 3 skeletons