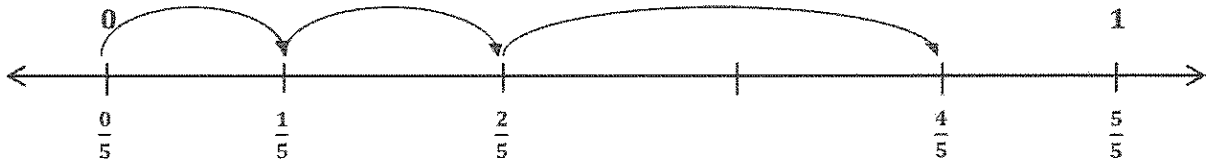
G5-M3-Lesson 2

1. Show each expression on a number line. Solve.

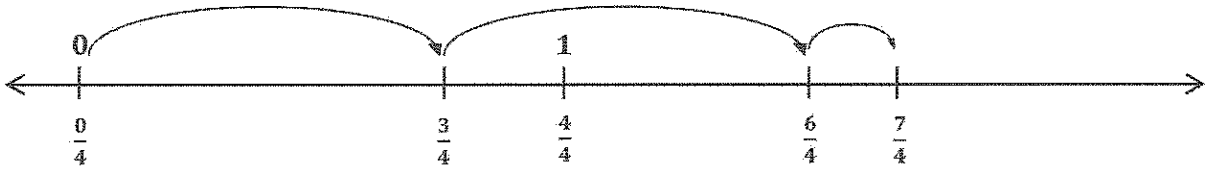
   a. $\frac{1}{5}+\frac{1}{5}+\frac{2}{5}$



$$\frac{1}{5}+\frac{1}{5}+\frac{2}{5}=\frac{4}{5}$$

I'm not too concerned about making the jumps on the number line exactly proportional. The number line is just to help me visualize and calculate a solution.

   b. $2\times\frac{3}{4}+\frac{1}{4}$



I can think of this problem in unit form: 2 times 3 fourths plus 1 fourth.

$$2\times\frac{3}{4}+\frac{1}{4}$$

$$=\frac{6}{4}+\frac{1}{4}=\frac{7}{4}$$

The answer doesn't have to be simplified. Writing either $\frac{7}{4}$ or $1\frac{3}{4}$ is correct.

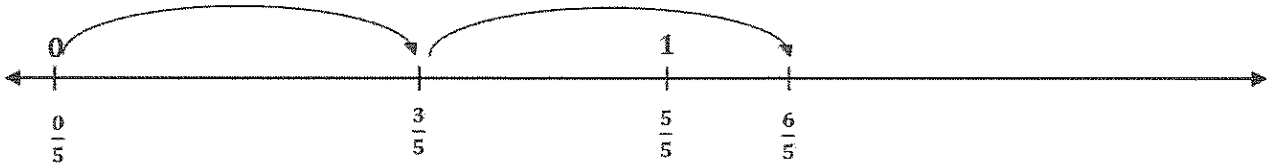
2. Express $\frac{6}{5}$ as the sum of two or three equal fractional parts. Rewrite it as a multiplication equation, and then show it on a number line.

Since the directions asked for a sum, I know I have to show an addition equation.

$\frac{3}{5}+\frac{3}{5}=\frac{6}{5}$ $2\times\frac{3}{5}=\frac{6}{5}$

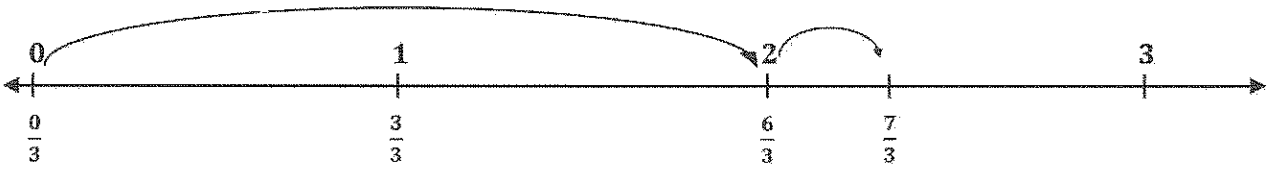
$2\times\frac{3}{5}$ is equivalent to $\frac{3}{5}+\frac{3}{5}$.

Another correct solution is $\frac{2}{5}+\frac{2}{5}+\frac{2}{5}=3\times\frac{2}{5}$.



3. Express $\frac{7}{3}$ as the sum of a whole number and a fraction. Show on a number line.

$$\frac{7}{3}=\frac{6}{3}+\frac{1}{3}$$
$$=2+\frac{1}{3}$$
$$=2\frac{1}{3}$$



I know that $\frac{6}{3}$ is equivalent to 2.

$\frac{6}{3}=\frac{3}{3}+\frac{3}{3}$. This is the same as $1+1$.