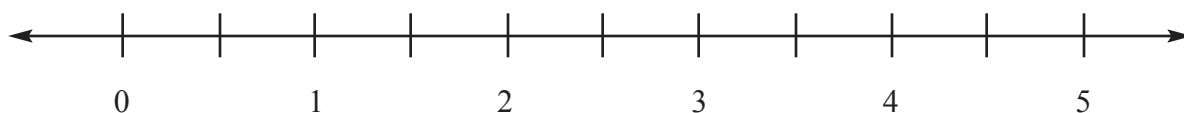


## Activity Sheet 5

### THE GREAT DIVIDE

Tom has  $4\frac{3}{4}$  feet of wire that he has to cut into  $\frac{1}{2}$  foot pieces for his technology project. How many  $\frac{1}{2}$  foot pieces will he be able to make? How much wire will he have left over?

You can use a number line to solve the problem. Represent  $4\frac{3}{4}$  feet on a number line. Use loops to indicate the number of  $\frac{1}{2}$  foot pieces that fit in  $4\frac{3}{4}$  feet.



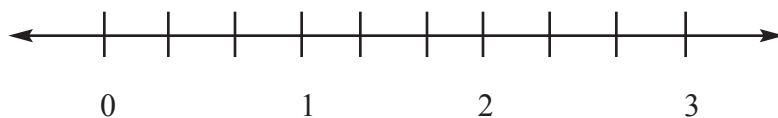
Verify that Tom can make 9 pieces of wire.

How much wire will Tom have left over? \_\_\_\_\_ Explain how you got your answer.

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1. Use a number line to divide:  $2\frac{1}{3} \div \frac{2}{3}$  \_\_\_\_\_



Verify your answer by using the division algorithm.

2. Use a number line to solve. How many stuffed animals can be made from  $3\frac{1}{4}$  yards of material if each animal requires  $\frac{3}{4}$  of a yard? \_\_\_\_\_