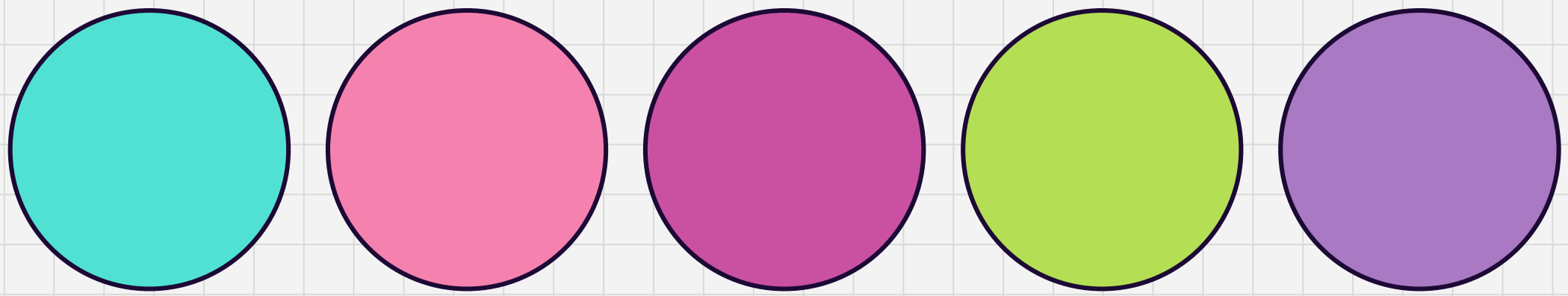




Unit 4, Module 3, Session 5

Fractions on the Number Line





Learning Goal:

I can place and locate fractions on a number line.

Problems & Investigations

Today, we are going to place some more fractions on the class number line, do some work with the double number lines we made yesterday, and then we will have some time for Work Places.

Take a look at our number line we created yesterday. How did we decide where the $\frac{1}{2}$ belonged?



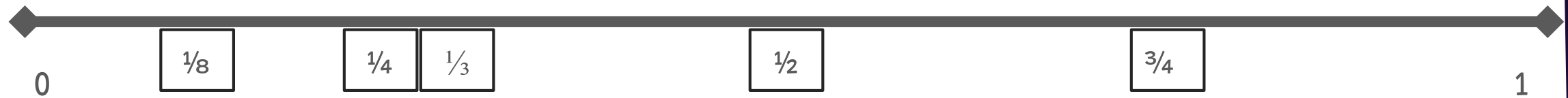
Problems & Investigations

Where would $\frac{1}{3}$ be located at?



Problems & Investigations

Where would $\frac{1}{6}$ be located at?



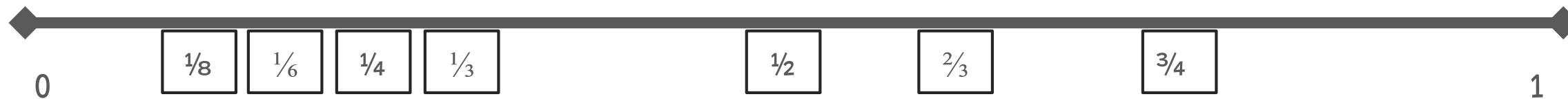
Problems & Investigations

Where would $\frac{2}{3}$ be located at?



Problems & Investigations

Where would $\frac{5}{6}$ be located at?

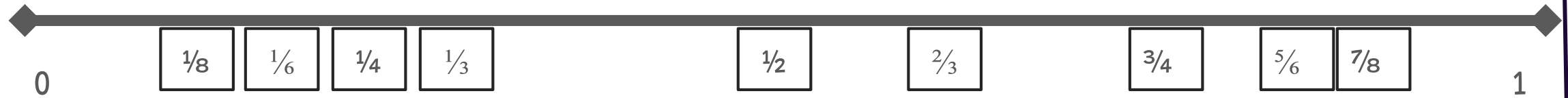


Problems & Investigations

Where would $\frac{7}{8}$ be located at?



Problems & Investigations





Slide your paperclip down your number line until you get $\frac{1}{3}$ of the way.
Then flip over your number line to see how close you got to $\frac{1}{3}$.

What was your strategy to make it to $\frac{1}{3}$ on the number line?





Move your paperclip along your own number line to the place they would stop for a drink of water.



Number Line Sketches page 1 of 2

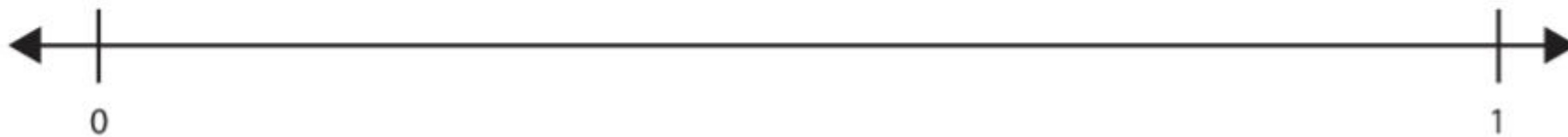
- 1** Use your double number line to model the word problems below. Then sketch your solution on the number line. Write an equation to explain your thinking.
 - a** Today you jogged $\frac{1}{3}$ of a mile before stopping to chat for a moment with your friend. Then you continued to jog another $\frac{1}{3}$ of a mile before stopping for a drink of water. How far did you jog in all?



Open to page 134 of your student book.



b During P.E., teams of 3 people run a relay. Each person runs $\frac{1}{4}$ of the way around the track. Where does the race end?



- C** My mom bought a long length of ribbon to make bows for my sister and me. We each get $\frac{2}{6}$ of the ribbon. How much of the total ribbon is used?



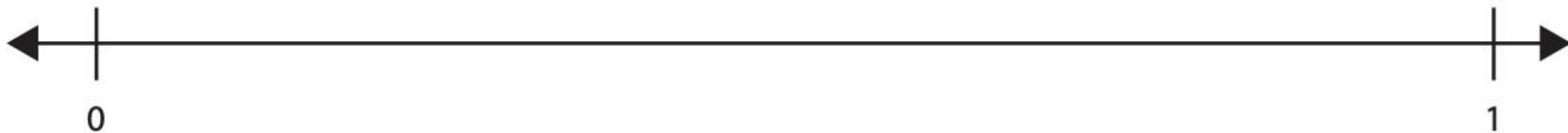
Number Line Sketches page 2 of 2

- d** On the ranch, fences are located every $\frac{1}{6}$ of a mile. If I stop at the fifth fence, how much of a mile did I travel?



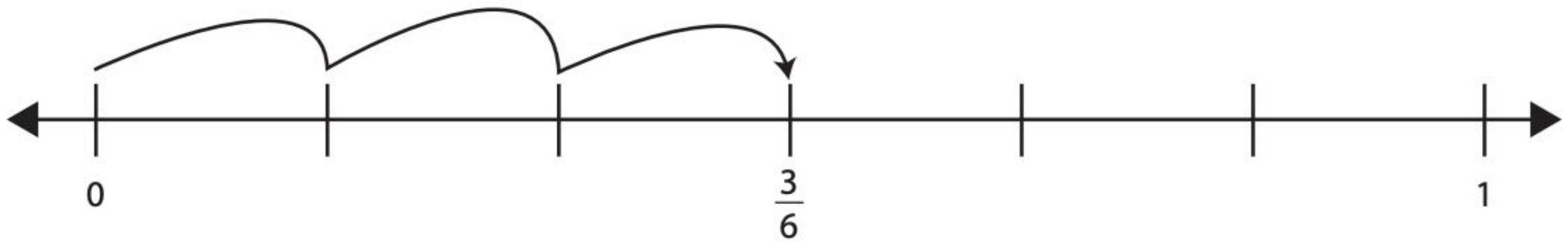


e In our city, drinking fountains are located every $\frac{1}{8}$ of a mile. If I go a mile, stopping at every fountain, how many times will I stop?





2 I'm walking my dog $\frac{3}{6}$ of the way to the park this morning. Another fraction name for $\frac{3}{6}$ is _____.





3 CHALLENGE Write your own fraction word problem below using a number line to model your answer. Write an equation to show your computation.



Daily Practice

Must Do

- Student Book Page 136
- XtraMath

May Do

- 3C Round Ball Hundreds
- 3D Round & Add Hundreds
- 4A Tic-Tac-Tock
- 4B Measurement Scavenger Hunt
- 4C Target One Thousand
- 4D Hexagon Spin & Fill

