

Locate fractions on a number line.

## EXPLORE

1. Open **Dividing and Subdividing.gsp**.



On each page, "a" through "k," there is a fraction to locate.

Use one or more stretchy fraction tools to locate the fraction.

If you need to, choose **Edit | Undo** to back up a step.



To label a point, double-click it. Type the fraction and press **OK**.

2. There is more than one way to find each fraction. Record ways you find. List the tools you use *in the order you use them*.

	Way 1	Way 2	Way 3	Way 4
a. $\frac{1}{4}$	Fourths	Halves Halves		
b. $\frac{2}{3}$				
c. $\frac{1}{6}$				
d. $\frac{3}{8}$				
e. $\frac{7}{10}$				
f. $\frac{8}{10}$				
g. $\frac{11}{12}$				
h. $\frac{5}{24}$				
i. $\frac{6}{15}$				
j. $\frac{1}{9}$				
k. $\frac{1}{32}$				

### EXPLORE MORE

3. Go to page "Make Your Own."

Name a fraction. Locate the fraction or ask a partner to locate it.

Name some fractions you cannot locate using the custom tools you have.

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4. Go to page "Explore More 1."

Now you will locate a fraction greater than 1.

5. Go to page "Explore More 2."

Locate a fraction as close to  $\frac{1}{7}$  as you can.