

FRACTIONS ON NUMBER LINE - SAME NUMERATOR AND DENOMINATOR EQUALS 1.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING. INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children draw a number line. They select a fraction and place multiples of the fractions on the number line, explaining their placements. They explain that when the numerator and denominator are the same we have 1. [Reflection: How can we place fractions on a number line?](#)
- In pairs, children draw a number line between zero and one. They take it in turns to place a fraction card on the number line, explaining their placements. [Reflection: How can we place fractions on a number line?](#)

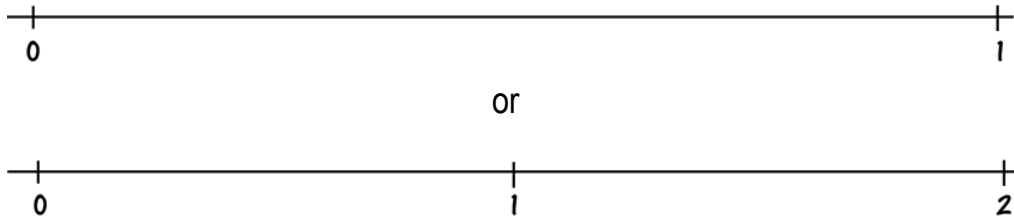
$\frac{1}{2}$	$\frac{2}{2}$	$\frac{1}{3}$	$\frac{2}{3}$
$\frac{3}{3}$	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$
$\frac{4}{4}$	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$
$\frac{4}{5}$	$\frac{5}{5}$	$\frac{1}{6}$	$\frac{2}{6}$

$\frac{3}{6}$	$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$
$\frac{1}{8}$	$\frac{2}{8}$	$\frac{3}{8}$	$\frac{4}{8}$
$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$

$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$
$\frac{9}{10}$	$\frac{10}{10}$	$\frac{1}{12}$	$\frac{2}{12}$
$\frac{3}{12}$	$\frac{4}{12}$	$\frac{5}{12}$	$\frac{6}{12}$
$\frac{7}{12}$	$\frac{8}{12}$	$\frac{9}{12}$	$\frac{10}{12}$
$\frac{11}{12}$	$\frac{12}{12}$	0	1

Fractions on Number Line - Same Numerator and Denominator Equals 1

Draw a number line, for example,



Select a fraction.

Place the fraction, and multiples of the fraction on the number line, explaining your placements.

When the numerator and denominator are the same, what number do you have?

Reflection: How can we place fractions on a number line?

Fractions on Number Line - Same Numerator and Denominator Equals 1

Sit with a friend.

Draw a number line between zero and one.

Take it in turns to place a fraction on the number line, explaining your placements.

Reflection: How can we place fractions on a number line?