

# Fraction Benchmarks Mini Pack

FREE

Grades 3-6 · 20-30 minutes · benchmarks, number lines, and comparison

**Benchmarks:** 0,  $\frac{1}{2}$ , 1  
(and sometimes  $\frac{1}{4}$ ,  $\frac{3}{4}$ )

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Decimals Bridge Kit on  
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## A) Number line intuition

Mark each fraction as close to 0,  $\frac{1}{2}$ , or 1. You can write “near 0”, “near  $\frac{1}{2}$ ”, or “near 1”.

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

## B) Compare using benchmarks

Write  $<$ ,  $>$ , or  $=$ .

- $\frac{3}{8}$  \_\_\_  $\frac{1}{2}$
- $\frac{5}{6}$  \_\_\_  $\frac{3}{4}$
- $\frac{7}{10}$  \_\_\_  $\frac{2}{3}$
- $\frac{4}{5}$  \_\_\_  $\frac{9}{10}$
- $\frac{2}{9}$  \_\_\_  $\frac{1}{4}$

## C) Mini number line

Label 0,  $\frac{1}{2}$ , and 1. Then place  $\frac{1}{4}$  and  $\frac{3}{4}$ .



Now answer:

- Which is bigger:  $\frac{2}{5}$  or  $\frac{1}{2}$ ?
- Which is closer to 1:  $\frac{5}{6}$  or  $\frac{7}{8}$ ?
- Write a fraction between  $\frac{1}{2}$  and  $\frac{3}{4}$ .

**Teacher tip:** ask “What’s half of the denominator?” to decide if a fraction is above/below  $\frac{1}{2}$ .

## Answer key (sample solutions)

### A) Benchmarks

1. near 0
2. near  $\frac{1}{2}$  (a bit above)
3. near 1
4. near  $\frac{1}{2}$  (above)
5. near 1
6. near  $\frac{1}{2}$  (below)
7. near  $\frac{1}{2}$  (below)
8. near 1
9. near 0 (but not tiny)
10. near 1 ( $\frac{3}{4}$ )

### B) Comparisons

11.  $\frac{3}{8} < \frac{1}{2}$
12.  $\frac{5}{6} > \frac{3}{4}$
13.  $\frac{7}{10} > \frac{2}{3}$
14.  $\frac{4}{5} < \frac{9}{10}$
15.  $\frac{2}{9} < \frac{1}{4}$

### C) Number line

16.  $\frac{2}{5} < \frac{1}{2}$
17.  $\frac{7}{8}$  is closer to 1
18. Example:  $\frac{2}{3}$

**Next step:** the Fractions & Decimals Bridge Kit expands this into 10 sessions + station cards.