

Equivalent and Comparing Fractions

Same amount, different names!

Name: _____

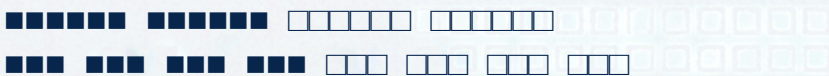
Date: _____

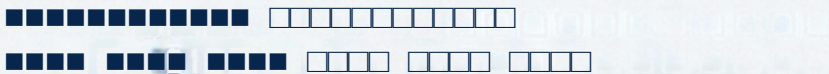
1. Equivalent Fractions

Both bars are the same size. Both bars show the same amount. Write the missing numerator.

a)  $\frac{1}{2} = \frac{\quad}{4}$

b)  $\frac{1}{3} = \frac{\quad}{6}$

c)  $\frac{2}{4} = \frac{\quad}{8}$

d)  $\frac{1}{2} = \frac{\quad}{6}$

e)  $\frac{2}{3} = \frac{\quad}{6}$

2. Same Denominator

The denominators match. Compare the numerators. Write $>$, $<$ or $=$ in the circle.

a) $\frac{3}{8}$ $\bigcirc$ $\frac{5}{8}$

b) $\frac{4}{6}$ $\bigcirc$ $\frac{2}{6}$

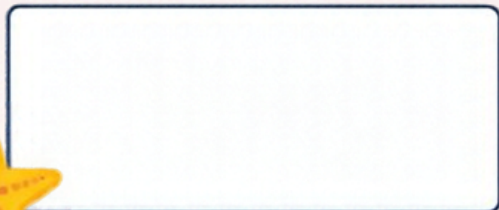
c) $\frac{1}{4}$ $\bigcirc$ $\frac{3}{4}$

d) $\frac{2}{3}$ $\bigcirc$ $\frac{2}{3}$

e) $\frac{7}{8}$ $\bigcirc$ $\frac{5}{8}$

f) $\frac{5}{6}$ $\bigcirc$ $\frac{4}{6}$

Pick one problem. Draw a quick picture and explain how you know.



Answer Key: Equivalent and Comparing Fractions



1 Equivalent Fractions

- a) $\frac{1}{2} = \frac{2}{4}$ b) $\frac{1}{3} = \frac{2}{6}$ c) $\frac{2}{4} = \frac{4}{8}$
d) $\frac{1}{2} = \frac{3}{6}$ e) $\frac{2}{3} = \frac{4}{6}$

2 Same Denominator

- a) $\frac{3}{8} < \frac{5}{8}$ b) $\frac{4}{6} > \frac{2}{6}$ c) $\frac{1}{4} < \frac{3}{4}$
d) $\frac{2}{3} = \frac{2}{3}$ e) $\frac{7}{8} > \frac{5}{8}$ f) $\frac{5}{6} > \frac{4}{6}$

3 Same Numerator

- a) $\frac{1}{2} > \frac{1}{4}$ b) $\frac{1}{6} < \frac{1}{8}$ c) $\frac{2}{3} > \frac{2}{4}$
d) $\frac{3}{8} < \frac{3}{6}$ e) $\frac{1}{4} < \frac{1}{3}$ f) $\frac{5}{6} > \frac{5}{8}$

4 Whole Numbers as Fractions

- a) $2 = \frac{2}{1}$ b) $5 = \frac{5}{1}$ c) $\frac{4}{1} = 4$
d) $\frac{7}{1} = 7$ e) $3 = \frac{3}{1}$ f) $\frac{4}{1} < \frac{5}{1}$

