= 18

1.4 Representing and Comparing Fractions



Ex. 4 Represent each of the fractions using the given model. a) $2\frac{3}{4}$ (bar model) b) $1\frac{2}{3}$ (circle model) $\frac{2}{3}$ (circle model) $\frac{2}{3}$ (circle model) $\frac{2}{3}$ (circle model) Ex. 5 Determine which fraction is bigger using a visual model. a) $\frac{3}{4}$ or $\frac{5}{4}$ or $\frac{5}{4}$



Ex. 6 Determine which fraction is bigger by comparing denominators



Ex. 7 Determine which fraction is bigger by comparing numerators



1.4A Representing and Comparing Fractions.notebook



Ex. 10 Use equivalent fractions to determine whether a less than (<) or greater than (>) sign makes the statement true.

b) $\frac{17}{0}$ $\frac{11}{5}$

(**get a common numerator OR common denominator)

a) $\frac{21}{35} + \frac{7\times3}{7\times5} \boxed{3} \frac{5\times5}{7\times5} + \frac{25}{35}$

$$\frac{-35}{20} \stackrel{5}{c} \frac{x}{5} \frac{-7}{x} \stackrel{-12}{x} \frac{-12}{5} \stackrel{-4}{x} \stackrel{-4}{x}$$

Ex. 11 Write each improper fraction as a mixed number.

a)
$$\frac{21}{8} \frac{21}{8} \frac{1-8}{21-8}$$
 b) $\frac{-33}{8} \frac{4}{7} \frac{4}{4} \frac{1}{8} \frac{1}{8} \frac{1}{-5} = \frac{7}{5}$ one of $\frac{-7}{-5} = \frac{7}{5} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{8} \frac{1}{12} \frac{1}{8} \frac{1}{8} \frac{1}{12} \frac{$

Ex. 12 Write each mixed number as an improper fraction.

a)
$$3\frac{1}{4}$$
 $3 \times 4 = 12$ b) $-5\frac{3}{5} = -\frac{28}{5}$ $5 \times 5 = 25$
 $= \frac{12}{4} + \frac{1}{4}$
 $= \frac{13}{4}$

