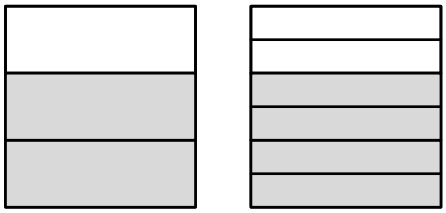
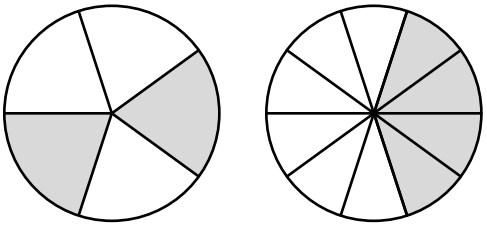
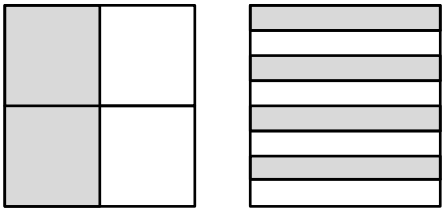
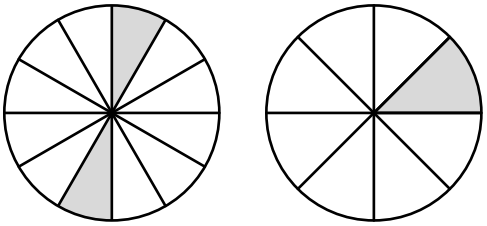
EQUIVALENT FRACTIONS

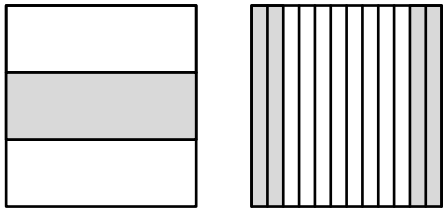
Each pair of figures show two shaded fractions. Write the fractions that are displayed and then write an equal sign = or not equal sign ≠ to show the relationship between the two fractions.

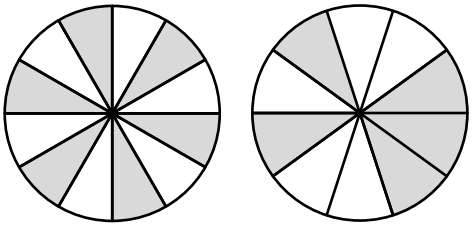


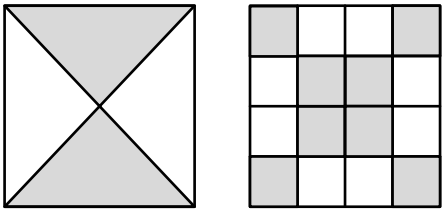


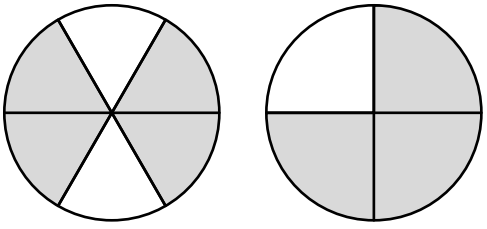












EQUIVALENT FRACTIONS

Complete each equivalent fraction below.

$\frac{40}{64} = \frac{5}{\square}$ $\quad \frac{20}{45} = \frac{15}{\square}$ $\quad \frac{\square}{\square} = \frac{32}{42} = \frac{14}{\square}$ $\quad \frac{25}{55} = \frac{10}{\square}$

$\frac{12}{56} = \frac{\square}{28}$ $\quad \frac{18}{24} = \frac{\square}{40}$ $\quad \frac{15}{36} = \frac{\square}{24}$ $\quad \frac{\square}{48} = \frac{24}{64}$

For each pair of fractions below, determine whether they are equal = or not equal ≠. *Note: you do not need to say which one is larger or smaller! Just check to see if they are equivalent.*

$\frac{8}{24} \square \frac{9}{25}$ $\quad \frac{6}{32} \square \frac{12}{16}$ $\quad \frac{14}{50} \square \frac{21}{60}$ $\quad \frac{18}{33} \square \frac{30}{55}$

$\frac{45}{54} \square \frac{10}{12}$ $\quad \frac{21}{35} \square \frac{3}{5}$ $\quad \frac{15}{33} \square \frac{5}{11}$ $\quad \frac{4}{48} \square \frac{10}{80}$

$\frac{36}{88} \square \frac{10}{25}$ $\quad \frac{16}{24} \square \frac{12}{18}$ $\quad \frac{8}{28} \square \frac{4}{14}$ $\quad \frac{23}{29} \square \frac{31}{41}$

$\frac{32}{64} \square \frac{22}{44}$ $\quad \frac{27}{81} \square \frac{10}{30}$ $\quad \frac{36}{60} \square \frac{24}{40}$ $\quad \frac{20}{120} \square \frac{6}{40}$

Gus says that the fractions $\frac{6}{9}$ and $\frac{10}{15}$ cannot be equal to each other because he keeps doubling the numbers starting from 9 or 15 but the two numbers never match. Is Gus right or wrong? Explain.