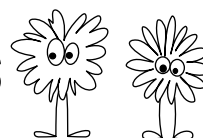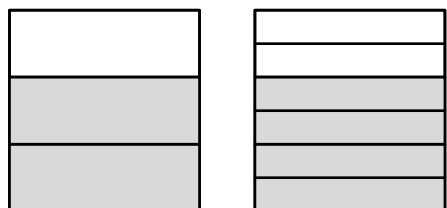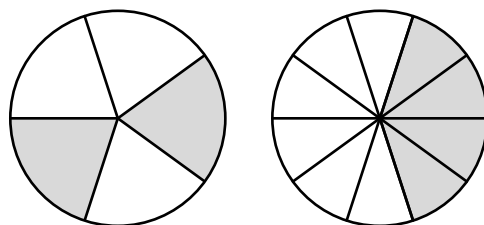# EQUIVALENT FRACTIONS
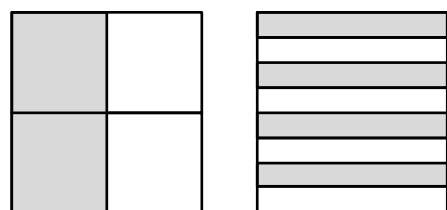
Each pair of figures show two shaded fractions. Write the fractions that are displayed and then write an equal sign = or not equal sign ≠ to show the relationship between the two fractions.
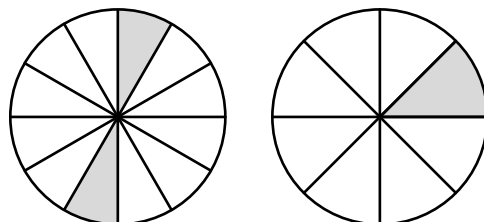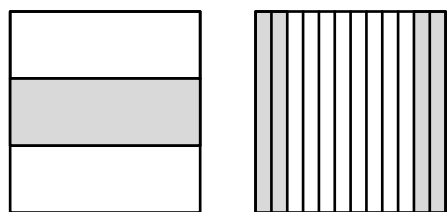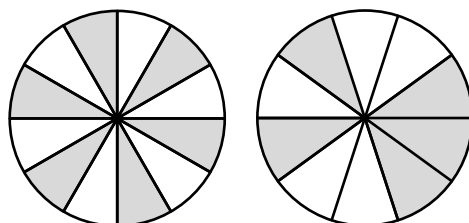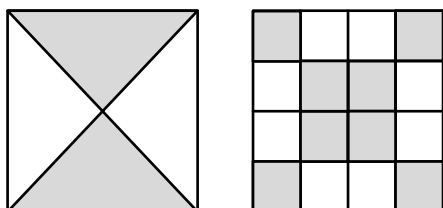

____ ☐ ____
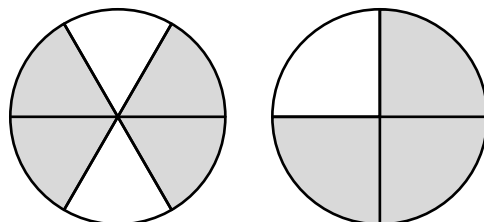

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EQUIVALENT FRACTIONS

Complete each equivalent fraction below.

$$\frac{40}{64} = \frac{5}{\boxed{}} \qquad \frac{20}{45} = \frac{16}{\boxed{}} \qquad \frac{32}{\boxed{}} = \frac{14}{42} \qquad \frac{25}{55} = \frac{10}{\rule{1cm}{0.4pt}}$$

$$\frac{12}{56} = \frac{\boxed{}}{28} \qquad \frac{18}{24} = \frac{\boxed{}}{40} \qquad \frac{15}{36} = \frac{\boxed{}}{24} \qquad \frac{\rule{1cm}{0.4pt}}{48} = \frac{24}{64}$$

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.*

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

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

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

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

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.