

Excellence

1. Is $\frac{18}{24} = \frac{9}{12}$ fully simplified? Explain.

2. Is $\frac{14}{35} = \frac{1}{3}$ correct? Explain.

3. Fill in both blanks: $\frac{\square}{18} = \frac{2}{3} =$

4. Fill in both blanks: $\frac{\square}{28} = \frac{3}{7} = 5 \frac{24}{\square}$. Which does not belong: $\frac{6}{9}, \frac{8}{12}, \frac{10}{15}, \frac{5}{8}$?

6. Which is greater: simplified $\frac{18}{30}$ or simplified $\frac{14}{20}$?

7. Explain why $\frac{24}{32}$ and $\frac{3}{4}$ are equivalent.

8. Write $\frac{15}{25}$ in simplest form.

9. Write $\frac{21}{28}$ in simplest form.

- 10.** Complete: $\frac{a}{b} = \frac{16}{24}$, so simplest form is _____.
- 11.** Complete: $\frac{x}{y} = \frac{27}{45}$, so simplest form is _____.
- 12.** Is $\frac{36}{54} = \frac{2}{3}$ correct? What would you divide by?
- 13.** Is $\frac{22}{30} = \frac{11}{15}$ fully simplified? Explain.
- 14.** Write a fraction equal to $\frac{4}{5}$ that is not simplified, then simplify it.
- 15.** Write a fraction equal to $\frac{3}{7}$ with denominator 35. Is it simplified?
- 16.** Explain why equivalent fractions are not always in simplest form.