

SPARK Hybrid Education Center

Mathematics | Lower Level | Week 1

Fractions: Equivalence, Simplifying & Mixed Numbers

Name: _____ Date: _____ Period: _____

Practice Problems

1. Write two equivalent fractions for $\frac{3}{4}$.
2. Simplify $\frac{18}{24}$ to lowest terms. Show the GCF.
3. Convert $3\frac{1}{5}$ to an improper fraction.
4. Order from least to greatest: $\frac{2}{3}$, $\frac{3}{5}$, $\frac{7}{10}$.
5. Are $\frac{4}{10}$ and $\frac{6}{15}$ equivalent? Show your work.
6. Simplify $\frac{36}{48}$.
7. Convert $\frac{17}{4}$ to a mixed number.
8. A recipe uses $\frac{6}{8}$ cup of flour. Write this in simplest form.
9. Find the GCF of 24 and 36. Then simplify $\frac{24}{36}$.
10. CHALLENGE: Is $\frac{5}{9}$ equivalent to $\frac{15}{27}$? Explain how you know.

ANSWER KEY (Teacher Copy - Cut before distributing)

1. $\frac{6}{8}$ and $\frac{9}{12}$ (or any correct pair)
2. $\frac{3}{4}$ (GCF = 6)
3. $\frac{16}{5}$
4. $\frac{3}{5}$, $\frac{2}{3}$, $\frac{7}{10}$
5. Yes - both equal $\frac{2}{5}$
6. $\frac{3}{4}$
7. $4\frac{1}{4}$
8. $\frac{3}{4}$ cup
9. GCF = 12; simplified = $\frac{2}{3}$
10. Yes - $5 \times 3 = 15$, $9 \times 3 = 27$ (multiply both by 3)

