

Practice 3 - 1: Simplifying Fractions

Name _____

Simplify each fraction, or state that the fraction is already simplified.

1. $\frac{15}{20}$

2. $\frac{25}{35}$

3. $\frac{6}{30}$

4. $\frac{2}{42}$

5. $\frac{8}{15}$

6. $\frac{14}{36}$

7. $-\frac{6}{15}$

8. $-\frac{9}{27}$

9. $-\frac{4}{17}$

Simplify each fraction, or state that the fraction is already simplified.

10. $\frac{18}{12}$

11. $\frac{6}{4}$

12. $\frac{24}{9}$

Write the fraction in two other ways.

13. $-\frac{3}{4}$

14. $\frac{-6}{5}$

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Name Key

Simplify each fraction, or state that the fraction is already simplified.

$$1. \frac{15}{20} = \frac{\cancel{5} \cdot 3}{\cancel{5} \cdot 4} = \boxed{\frac{3}{4}}$$

$$2. \frac{25}{35} = \frac{\cancel{5} \cdot 5}{\cancel{5} \cdot 7} = \boxed{\frac{5}{7}}$$

$$3. \frac{6}{30} = \frac{\cancel{6} \cdot 1}{\cancel{6} \cdot 5} = \boxed{\frac{1}{5}}$$

$$4. \frac{2}{42} = \frac{\cancel{2} \cdot 1}{\cancel{2} \cdot 21} = \boxed{\frac{1}{21}}$$

$$5. \frac{8}{15} \text{ already simplified}$$

$$6. \frac{14}{36} = \frac{\cancel{2} \cdot 7}{\cancel{2} \cdot 18} = \boxed{\frac{7}{18}}$$

$$7. -\frac{6}{15} = -\frac{\cancel{3} \cdot 2}{\cancel{3} \cdot 5} = \boxed{-\frac{2}{5}}$$

$$8. -\frac{9}{27} = -\frac{\cancel{9} \cdot 1}{\cancel{9} \cdot 3} = \boxed{-\frac{1}{3}}$$

$$9. -\frac{4}{17} \text{ already simplified}$$

Simplify each fraction, or state that the fraction is already simplified.

$$10. \frac{18}{12} = \frac{\cancel{6} \cdot 3}{\cancel{6} \cdot 2} = \boxed{\frac{3}{2}}$$

$$11. \frac{6}{4} = \frac{\cancel{2} \cdot 3}{\cancel{2} \cdot 2} = \boxed{\frac{3}{2}}$$

$$12. \frac{24}{9} = \frac{\cancel{3} \cdot 8}{\cancel{3} \cdot 3} = \boxed{\frac{8}{3}}$$

Write the fraction in two other ways.

$$13. -\frac{3}{4} = \frac{-3}{4} = \frac{3}{-4}$$

$$14. \frac{-6}{5} = \frac{5}{-6} = -\frac{5}{6}$$