

Simplifying Improper Fractions (F)

Name: _____

Date: _____

Score: _____

Simplify each fraction to its lowest terms; then change the fraction to a mixed number.

1. $\frac{54}{24} = \text{---} = \text{---}$

11. $\frac{21}{9} = \text{---} = \text{---}$

2. $\frac{44}{32} = \text{---} = \text{---}$

12. $\frac{88}{32} = \text{---} = \text{---}$

3. $\frac{42}{27} = \text{---} = \text{---}$

13. $\frac{147}{56} = \text{---} = \text{---}$

4. $\frac{162}{63} = \text{---} = \text{---}$

14. $\frac{36}{16} = \text{---} = \text{---}$

5. $\frac{27}{24} = \text{---} = \text{---}$

15. $\frac{40}{25} = \text{---} = \text{---}$

6. $\frac{99}{54} = \text{---} = \text{---}$

16. $\frac{60}{54} = \text{---} = \text{---}$

7. $\frac{8}{6} = \text{---} = \text{---}$

17. $\frac{52}{24} = \text{---} = \text{---}$

8. $\frac{20}{14} = \text{---} = \text{---}$

18. $\frac{70}{25} = \text{---} = \text{---}$

9. $\frac{64}{24} = \text{---} = \text{---}$

19. $\frac{14}{12} = \text{---} = \text{---}$

10. $\frac{35}{25} = \text{---} = \text{---}$

20. $\frac{70}{49} = \text{---} = \text{---}$

Simplifying Improper Fractions (F) Answers

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Simplify each fraction to its lowest terms; then change the fraction to a mixed number.

$$1. \quad \frac{54}{24} \begin{array}{c} \xrightarrow{\div 6} \\ \underline{=} \\ \xrightarrow{\div 6} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$11. \quad \frac{21}{9} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{7}{3} = 2\frac{1}{3}$$

$$2. \quad \frac{44}{32} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{11}{8} = 1\frac{3}{8}$$

$$12. \quad \frac{88}{32} \begin{array}{c} \xrightarrow{\div 8} \\ \underline{=} \\ \xrightarrow{\div 8} \end{array} \frac{11}{4} = 2\frac{3}{4}$$

$$3. \quad \frac{42}{27} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{14}{9} = 1\frac{5}{9}$$

$$13. \quad \frac{147}{56} \begin{array}{c} \xrightarrow{\div 7} \\ \underline{=} \\ \xrightarrow{\div 7} \end{array} \frac{21}{8} = 2\frac{5}{8}$$

$$4. \quad \frac{162}{63} \begin{array}{c} \xrightarrow{\div 9} \\ \underline{=} \\ \xrightarrow{\div 9} \end{array} \frac{18}{7} = 2\frac{4}{7}$$

$$14. \quad \frac{36}{16} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$5. \quad \frac{27}{24} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{9}{8} = 1\frac{1}{8}$$

$$15. \quad \frac{40}{25} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{8}{5} = 1\frac{3}{5}$$

$$6. \quad \frac{99}{54} \begin{array}{c} \xrightarrow{\div 9} \\ \underline{=} \\ \xrightarrow{\div 9} \end{array} \frac{11}{6} = 1\frac{5}{6}$$

$$16. \quad \frac{60}{54} \begin{array}{c} \xrightarrow{\div 6} \\ \underline{=} \\ \xrightarrow{\div 6} \end{array} \frac{10}{9} = 1\frac{1}{9}$$

$$7. \quad \frac{8}{6} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{4}{3} = 1\frac{1}{3}$$

$$17. \quad \frac{52}{24} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{13}{6} = 2\frac{1}{6}$$

$$8. \quad \frac{20}{14} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{10}{7} = 1\frac{3}{7}$$

$$18. \quad \frac{70}{25} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{14}{5} = 2\frac{4}{5}$$

$$9. \quad \frac{64}{24} \begin{array}{c} \xrightarrow{\div 8} \\ \underline{=} \\ \xrightarrow{\div 8} \end{array} \frac{8}{3} = 2\frac{2}{3}$$

$$19. \quad \frac{14}{12} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{7}{6} = 1\frac{1}{6}$$

$$10. \quad \frac{35}{25} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{7}{5} = 1\frac{2}{5}$$

$$20. \quad \frac{70}{49} \begin{array}{c} \xrightarrow{\div 7} \\ \underline{=} \\ \xrightarrow{\div 7} \end{array} \frac{10}{7} = 1\frac{3}{7}$$