

Simplifying Improper Fractions (C)

Name: _____

Date: _____

Score: _____

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

1. $\frac{77}{35} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

11. $\frac{136}{48} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

2. $\frac{68}{24} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

12. $\frac{120}{64} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3. $\frac{25}{15} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

13. $\frac{55}{40} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4. $\frac{114}{48} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

14. $\frac{36}{14} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

5. $\frac{36}{30} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

15. $\frac{57}{27} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

6. $\frac{108}{45} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

16. $\frac{117}{81} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7. $\frac{16}{6} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

17. $\frac{39}{21} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

8. $\frac{77}{28} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

18. $\frac{33}{12} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9. $\frac{90}{35} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

19. $\frac{44}{24} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

10. $\frac{14}{8} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

20. $\frac{20}{12} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Simplifying Improper Fractions (C) Answers

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

$$1. \quad \frac{77}{35} \begin{array}{c} \xrightarrow{\div 7} \\ \hline \\ \xrightarrow{\div 7} \end{array} \frac{11}{5} = 2\frac{1}{5}$$

$$11. \quad \frac{136}{48} \begin{array}{c} \xrightarrow{\div 8} \\ \hline \\ \xrightarrow{\div 8} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$2. \quad \frac{68}{24} \begin{array}{c} \xrightarrow{\div 4} \\ \hline \\ \xrightarrow{\div 4} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$12. \quad \frac{120}{64} \begin{array}{c} \xrightarrow{\div 8} \\ \hline \\ \xrightarrow{\div 8} \end{array} \frac{15}{8} = 1\frac{7}{8}$$

$$3. \quad \frac{25}{15} \begin{array}{c} \xrightarrow{\div 5} \\ \hline \\ \xrightarrow{\div 5} \end{array} \frac{5}{3} = 1\frac{2}{3}$$

$$13. \quad \frac{55}{40} \begin{array}{c} \xrightarrow{\div 5} \\ \hline \\ \xrightarrow{\div 5} \end{array} \frac{11}{8} = 1\frac{3}{8}$$

$$4. \quad \frac{114}{48} \begin{array}{c} \xrightarrow{\div 6} \\ \hline \\ \xrightarrow{\div 6} \end{array} \frac{19}{8} = 2\frac{3}{8}$$

$$14. \quad \frac{36}{14} \begin{array}{c} \xrightarrow{\div 2} \\ \hline \\ \xrightarrow{\div 2} \end{array} \frac{18}{7} = 2\frac{4}{7}$$

$$5. \quad \frac{36}{30} \begin{array}{c} \xrightarrow{\div 6} \\ \hline \\ \xrightarrow{\div 6} \end{array} \frac{6}{5} = 1\frac{1}{5}$$

$$15. \quad \frac{57}{27} \begin{array}{c} \xrightarrow{\div 3} \\ \hline \\ \xrightarrow{\div 3} \end{array} \frac{19}{9} = 2\frac{1}{9}$$

$$6. \quad \frac{108}{45} \begin{array}{c} \xrightarrow{\div 9} \\ \hline \\ \xrightarrow{\div 9} \end{array} \frac{12}{5} = 2\frac{2}{5}$$

$$16. \quad \frac{117}{81} \begin{array}{c} \xrightarrow{\div 9} \\ \hline \\ \xrightarrow{\div 9} \end{array} \frac{13}{9} = 1\frac{4}{9}$$

$$7. \quad \frac{16}{6} \begin{array}{c} \xrightarrow{\div 2} \\ \hline \\ \xrightarrow{\div 2} \end{array} \frac{8}{3} = 2\frac{2}{3}$$

$$17. \quad \frac{39}{21} \begin{array}{c} \xrightarrow{\div 3} \\ \hline \\ \xrightarrow{\div 3} \end{array} \frac{13}{7} = 1\frac{6}{7}$$

$$8. \quad \frac{77}{28} \begin{array}{c} \xrightarrow{\div 7} \\ \hline \\ \xrightarrow{\div 7} \end{array} \frac{11}{4} = 2\frac{3}{4}$$

$$18. \quad \frac{33}{12} \begin{array}{c} \xrightarrow{\div 3} \\ \hline \\ \xrightarrow{\div 3} \end{array} \frac{11}{4} = 2\frac{3}{4}$$

$$9. \quad \frac{90}{35} \begin{array}{c} \xrightarrow{\div 5} \\ \hline \\ \xrightarrow{\div 5} \end{array} \frac{18}{7} = 2\frac{4}{7}$$

$$19. \quad \frac{44}{24} \begin{array}{c} \xrightarrow{\div 4} \\ \hline \\ \xrightarrow{\div 4} \end{array} \frac{11}{6} = 1\frac{5}{6}$$

$$10. \quad \frac{14}{8} \begin{array}{c} \xrightarrow{\div 2} \\ \hline \\ \xrightarrow{\div 2} \end{array} \frac{7}{4} = 1\frac{3}{4}$$

$$20. \quad \frac{20}{12} \begin{array}{c} \xrightarrow{\div 4} \\ \hline \\ \xrightarrow{\div 4} \end{array} \frac{5}{3} = 1\frac{2}{3}$$