

Simplifying Improper Fractions (H)

Name: _____

Date: _____

Score: _____

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

1. $\frac{44}{16} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

11. $\frac{42}{36} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

2. $\frac{63}{28} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

12. $\frac{72}{64} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3. $\frac{24}{18} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

13. $\frac{85}{45} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4. $\frac{100}{36} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

14. $\frac{72}{27} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

5. $\frac{36}{20} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

15. $\frac{81}{36} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

6. $\frac{35}{21} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

16. $\frac{65}{30} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7. $\frac{26}{10} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

17. $\frac{54}{21} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

18. $\frac{30}{14} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9. $\frac{85}{35} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

19. $\frac{21}{18} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

10. $\frac{46}{16} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

20. $\frac{42}{15} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Simplifying Improper Fractions (H) Answers

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

$$1. \quad \frac{44}{16} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{11}{4} = 2\frac{3}{4}$$

$$11. \quad \frac{42}{36} \begin{array}{c} \xrightarrow{\div 6} \\ \underline{=} \\ \xrightarrow{\div 6} \end{array} \frac{7}{6} = 1\frac{1}{6}$$

$$2. \quad \frac{63}{28} \begin{array}{c} \xrightarrow{\div 7} \\ \underline{=} \\ \xrightarrow{\div 7} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$12. \quad \frac{72}{64} \begin{array}{c} \xrightarrow{\div 8} \\ \underline{=} \\ \xrightarrow{\div 8} \end{array} \frac{9}{8} = 1\frac{1}{8}$$

$$3. \quad \frac{24}{18} \begin{array}{c} \xrightarrow{\div 6} \\ \underline{=} \\ \xrightarrow{\div 6} \end{array} \frac{4}{3} = 1\frac{1}{3}$$

$$13. \quad \frac{85}{45} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{17}{9} = 1\frac{8}{9}$$

$$4. \quad \frac{100}{36} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{25}{9} = 2\frac{7}{9}$$

$$14. \quad \frac{72}{27} \begin{array}{c} \xrightarrow{\div 9} \\ \underline{=} \\ \xrightarrow{\div 9} \end{array} \frac{8}{3} = 2\frac{2}{3}$$

$$5. \quad \frac{36}{20} \begin{array}{c} \xrightarrow{\div 4} \\ \underline{=} \\ \xrightarrow{\div 4} \end{array} \frac{9}{5} = 1\frac{4}{5}$$

$$15. \quad \frac{81}{36} \begin{array}{c} \xrightarrow{\div 9} \\ \underline{=} \\ \xrightarrow{\div 9} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$6. \quad \frac{35}{21} \begin{array}{c} \xrightarrow{\div 7} \\ \underline{=} \\ \xrightarrow{\div 7} \end{array} \frac{5}{3} = 1\frac{2}{3}$$

$$16. \quad \frac{65}{30} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{13}{6} = 2\frac{1}{6}$$

$$7. \quad \frac{26}{10} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{13}{5} = 2\frac{3}{5}$$

$$17. \quad \frac{54}{21} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{18}{7} = 2\frac{4}{7}$$

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

$$18. \quad \frac{30}{14} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{15}{7} = 2\frac{1}{7}$$

$$9. \quad \frac{85}{35} \begin{array}{c} \xrightarrow{\div 5} \\ \underline{=} \\ \xrightarrow{\div 5} \end{array} \frac{17}{7} = 2\frac{3}{7}$$

$$19. \quad \frac{21}{18} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{7}{6} = 1\frac{1}{6}$$

$$10. \quad \frac{46}{16} \begin{array}{c} \xrightarrow{\div 2} \\ \underline{=} \\ \xrightarrow{\div 2} \end{array} \frac{23}{8} = 2\frac{7}{8}$$

$$20. \quad \frac{42}{15} \begin{array}{c} \xrightarrow{\div 3} \\ \underline{=} \\ \xrightarrow{\div 3} \end{array} \frac{14}{5} = 2\frac{4}{5}$$