

Simplifying Improper Fractions (I)

Name: _____

Date: _____

Score: _____

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

1. $\frac{34}{12} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

11. $\frac{36}{16} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

2. $\frac{42}{16} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

12. $\frac{25}{20} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3. $\frac{35}{25} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

13. $\frac{38}{16} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4. $\frac{78}{42} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

14. $\frac{42}{35} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

5. $\frac{27}{12} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

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

16. $\frac{33}{21} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7. $\frac{153}{54} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

17. $\frac{56}{36} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

8. $\frac{84}{54} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

18. $\frac{21}{9} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9. $\frac{88}{48} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

19. $\frac{90}{63} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

20. $\frac{56}{20} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Simplifying Improper Fractions (I) Answers

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

$$1. \quad \frac{34}{12} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$11. \quad \frac{36}{16} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$2. \quad \frac{42}{16} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{21}{8} = 2\frac{5}{8}$$

$$12. \quad \frac{25}{20} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{5}{4} = 1\frac{1}{4}$$

$$3. \quad \frac{35}{25} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{7}{5} = 1\frac{2}{5}$$

$$13. \quad \frac{38}{16} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{19}{8} = 2\frac{3}{8}$$

$$4. \quad \frac{78}{42} \begin{array}{c} \xrightarrow{\div 6} \\ \equiv \\ \xrightarrow{\div 6} \end{array} \frac{13}{7} = 1\frac{6}{7}$$

$$14. \quad \frac{42}{35} \begin{array}{c} \xrightarrow{\div 7} \\ \equiv \\ \xrightarrow{\div 7} \end{array} \frac{6}{5} = 1\frac{1}{5}$$

$$5. \quad \frac{27}{12} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

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

$$6. \quad \frac{20}{15} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{4}{3} = 1\frac{1}{3}$$

$$16. \quad \frac{33}{21} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{11}{7} = 1\frac{4}{7}$$

$$7. \quad \frac{153}{54} \begin{array}{c} \xrightarrow{\div 9} \\ \equiv \\ \xrightarrow{\div 9} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$17. \quad \frac{56}{36} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{14}{9} = 1\frac{5}{9}$$

$$8. \quad \frac{84}{54} \begin{array}{c} \xrightarrow{\div 6} \\ \equiv \\ \xrightarrow{\div 6} \end{array} \frac{14}{9} = 1\frac{5}{9}$$

$$18. \quad \frac{21}{9} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{7}{3} = 2\frac{1}{3}$$

$$9. \quad \frac{88}{48} \begin{array}{c} \xrightarrow{\div 8} \\ \equiv \\ \xrightarrow{\div 8} \end{array} \frac{11}{6} = 1\frac{5}{6}$$

$$19. \quad \frac{90}{63} \begin{array}{c} \xrightarrow{\div 9} \\ \equiv \\ \xrightarrow{\div 9} \end{array} \frac{10}{7} = 1\frac{3}{7}$$

$$10. \quad \frac{35}{21} \begin{array}{c} \xrightarrow{\div 7} \\ \equiv \\ \xrightarrow{\div 7} \end{array} \frac{5}{3} = 1\frac{2}{3}$$

$$20. \quad \frac{56}{20} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{14}{5} = 2\frac{4}{5}$$