

## Simplifying Improper Fractions (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

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

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

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

2.  $\frac{49}{42} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

12.  $\frac{102}{36} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3.  $\frac{200}{72} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

13.  $\frac{108}{63} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4.  $\frac{48}{18} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

5.  $\frac{28}{20} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

6.  $\frac{84}{49} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

7.  $\frac{69}{27} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

17.  $\frac{45}{20} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

8.  $\frac{104}{56} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

18.  $\frac{24}{9} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9.  $\frac{12}{10} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

19.  $\frac{84}{32} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

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

## Simplifying Improper Fractions (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

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

$$1. \quad \frac{46}{16} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{23}{8} = 2\frac{7}{8}$$

$$11. \quad \frac{68}{24} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$2. \quad \frac{49}{42} \begin{array}{c} \xrightarrow{\div 7} \\ \equiv \\ \xrightarrow{\div 7} \end{array} \frac{7}{6} = 1\frac{1}{6}$$

$$12. \quad \frac{102}{36} \begin{array}{c} \xrightarrow{\div 6} \\ \equiv \\ \xrightarrow{\div 6} \end{array} \frac{17}{6} = 2\frac{5}{6}$$

$$3. \quad \frac{200}{72} \begin{array}{c} \xrightarrow{\div 8} \\ \equiv \\ \xrightarrow{\div 8} \end{array} \frac{25}{9} = 2\frac{7}{9}$$

$$13. \quad \frac{108}{63} \begin{array}{c} \xrightarrow{\div 9} \\ \equiv \\ \xrightarrow{\div 9} \end{array} \frac{12}{7} = 1\frac{5}{7}$$

$$4. \quad \frac{48}{18} \begin{array}{c} \xrightarrow{\div 6} \\ \equiv \\ \xrightarrow{\div 6} \end{array} \frac{8}{3} = 2\frac{2}{3}$$

$$14. \quad \frac{35}{25} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{7}{5} = 1\frac{2}{5}$$

$$5. \quad \frac{28}{20} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{7}{5} = 1\frac{2}{5}$$

$$15. \quad \frac{27}{12} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$6. \quad \frac{84}{49} \begin{array}{c} \xrightarrow{\div 7} \\ \equiv \\ \xrightarrow{\div 7} \end{array} \frac{12}{7} = 1\frac{5}{7}$$

$$16. \quad \frac{20}{15} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{4}{3} = 1\frac{1}{3}$$

$$7. \quad \frac{69}{27} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{23}{9} = 2\frac{5}{9}$$

$$17. \quad \frac{45}{20} \begin{array}{c} \xrightarrow{\div 5} \\ \equiv \\ \xrightarrow{\div 5} \end{array} \frac{9}{4} = 2\frac{1}{4}$$

$$8. \quad \frac{104}{56} \begin{array}{c} \xrightarrow{\div 8} \\ \equiv \\ \xrightarrow{\div 8} \end{array} \frac{13}{7} = 1\frac{6}{7}$$

$$18. \quad \frac{24}{9} \begin{array}{c} \xrightarrow{\div 3} \\ \equiv \\ \xrightarrow{\div 3} \end{array} \frac{8}{3} = 2\frac{2}{3}$$

$$9. \quad \frac{12}{10} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{6}{5} = 1\frac{1}{5}$$

$$19. \quad \frac{84}{32} \begin{array}{c} \xrightarrow{\div 4} \\ \equiv \\ \xrightarrow{\div 4} \end{array} \frac{21}{8} = 2\frac{5}{8}$$

$$10. \quad \frac{38}{16} \begin{array}{c} \xrightarrow{\div 2} \\ \equiv \\ \xrightarrow{\div 2} \end{array} \frac{19}{8} = 2\frac{3}{8}$$

$$20. \quad \frac{81}{36} \begin{array}{c} \xrightarrow{\div 9} \\ \equiv \\ \xrightarrow{\div 9} \end{array} \frac{9}{4} = 2\frac{1}{4}$$