

Simplifying Improper Fractions

Simplify the improper fraction, then convert to a mixed number.

Grade: 4–5

Difficulty: ★★ — Intermediate

Problems: 20

Name: _____

Date: _____

Score: _____ / 20

Instructions: Simplify each improper fraction first, then convert to a mixed number. Show both steps.

1. $\frac{8}{6} = \underline{\quad} = \underline{\quad}$

11. $\frac{27}{18} = \underline{\quad} = \underline{\quad}$

2. $\frac{15}{10} = \underline{\quad} = \underline{\quad}$

12. $\frac{35}{21} = \underline{\quad} = \underline{\quad}$

3. $\frac{21}{14} = \underline{\quad} = \underline{\quad}$

13. $\frac{22}{8} = \underline{\quad} = \underline{\quad}$

4. $\frac{18}{12} = \underline{\quad} = \underline{\quad}$

14. $\frac{30}{12} = \underline{\quad} = \underline{\quad}$

5. $\frac{12}{8} = \underline{\quad} = \underline{\quad}$

15. $\frac{36}{24} = \underline{\quad} = \underline{\quad}$

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

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

7. $\frac{16}{12} = \underline{\quad} = \underline{\quad}$

17. $\frac{45}{30} = \underline{\quad} = \underline{\quad}$

8. $\frac{25}{15} = \underline{\quad} = \underline{\quad}$

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

9. $\frac{14}{10} = \underline{\quad} = \underline{\quad}$

19. $\frac{50}{20} = \underline{\quad} = \underline{\quad}$

10. $\frac{24}{16} = \underline{\quad} = \underline{\quad}$

20. $\frac{56}{21} = \underline{\quad} = \underline{\quad}$

ANSWER KEY

1. $4/3 = 1\ 1/3$

2. $3/2 = 1\ 1/2$

3. $3/2 = 1\ 1/2$

4. $3/2 = 1\ 1/2$

5. $3/2 = 1\ 1/2$

6. $4/3 = 1\ 1/3$

7. $4/3 = 1\ 1/3$

8. $5/3 = 1\ 2/3$

9. $7/5 = 1\ 2/5$

10. $3/2 = 1\ 1/2$

11. $3/2 = 1\ 1/2$

12. $5/3 = 1\ 2/3$

13. $11/4 = 2\ 3/4$

14. $5/2 = 2\ 1/2$

15. $3/2 = 1\ 1/2$

16. $11/4 = 2\ 3/4$

17. $3/2 = 1\ 1/2$

18. $8/3 = 2\ 2/3$

19. $5/2 = 2\ 1/2$

20. $8/3 = 2\ 2/3$