

4-5

Practice

Simplifying Algebraic Fractions

Write each fraction in simplest form. If the fraction is already in simplest form, write *simplified*.

1. $\frac{9}{36}$

2. $\frac{6}{10}$

3. $\frac{19}{57}$

4. $\frac{21}{24}$

5. $\frac{6}{39}$

6. $\frac{85}{100}$

7. $\frac{16}{72}$

8. $\frac{32}{136}$

9. $\frac{45}{72}$

10. $\frac{46}{92}$

11. $\frac{35}{55}$

12. $\frac{64}{80}$

13. $\frac{57}{60}$

14. $\frac{17}{56}$

15. $\frac{33}{63}$

16. $\frac{34}{60}$

17. $\frac{24}{52}$

18. $\frac{96}{108}$

19. $\frac{45}{48}$

20. $\frac{14}{29}$

21. $\frac{x^3}{x^7}$

22. $\frac{m^4}{m^5}$

23. $\frac{a^7}{a^4}$

24. $\frac{u^5}{u}$

25. $\frac{21y}{24y}$

26. $\frac{4q^2}{14q^2}$

27. $\frac{15x^2}{18x^2}$

28. $\frac{63c}{126c}$

29. $\frac{11v^2}{121v}$

30. $\frac{42b^2}{49}$

31. $\frac{e^2f^2}{e^3f}$

32. $\frac{m^2}{p^3}$

33. $\frac{2a^3b^4}{10a^5b}$

34. **SKI RESORT** A local ski resort is open for business 13 weeks in the winter. Write a fraction in simplest form that represents the fraction of a year the resort is open.