

Practice

Student Edition
Pages 501–505**Dividing by Monomials***Simplify. Assume that no denominator is equal to zero.*

1. $\frac{c^0}{c^{-3}}$

2. $\frac{1}{x^{-4}}$

3. $\frac{m}{m^3}$

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

5. $\frac{(-c)^2d^7}{c^2d^5}$

6. $\frac{(-e)^9f}{e^6f^4}$

7. $\frac{9d^7}{3d^6}$

8. $\frac{12n^5}{36n}$

9. $\frac{r^3s^2}{r^3s^4}$

10. $\frac{w^4u^3}{w^4u}$

11. $\frac{c^6(-d)^7}{c^{10}d^5}$

12. $\frac{a^5b^3}{a^7b^2}$

13. $\frac{15x^3y^5}{-3x^5y^2}$

14. $\frac{-24kd^8}{8k^2d^7}$

15. $\frac{16x^2y^4}{8x^2(-y)^3}$

16. $\frac{12x^7}{4x^5}$

17. $\frac{3y^6}{y^5}$

18. $\frac{10a^{10}b^5}{2a^{11}b^5}$

19. $\frac{48r^{12}s^8}{16r^{14}s^6}$

20. $\frac{16x^5y^2}{2x^3y^3}$

21. $\frac{-27x^5y^4}{9x^3y^4}$

22. $\frac{32x^3y^2z^5}{-8xyz^2}$

23. $\frac{8a^{11}b^7}{-2a^5b^9}$

24. $\frac{48x^6y^7z^5}{-6xy^5z^6}$

25. $\frac{54x^7y^4z}{27x^5y}$

26. $\frac{-21w^5u^2}{7w^4u^5}$

27. $\frac{12d^2ef^2}{2de^2f^2}$