

Simplify. Assume that no denominator is zero.

1. $\frac{42}{63}$

2. $\frac{54}{72}$

3. $\frac{12a}{3a}$

4. $\frac{10m}{5m}$

5. $\frac{4x^5}{8x}$

6. $\frac{3n^7}{15n^3}$

7. $\frac{12y^3}{4xy}$

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

9. $\frac{-9x^2y^3}{12xy^2}$

10. $\frac{-6pq^2}{-15pq}$

11. $\frac{-28cd^3}{-21bd^2}$

12. $\frac{42xz^4}{-48xz^3}$

13. $\frac{xyz^3}{x^3y^2z}$

14. $\frac{r^2s^4t}{r^2st^3}$

15. $\frac{32a^2bc^3}{20abc}$

16. $\frac{39x^3y^2z}{52x^2y}$

17. $\frac{45x^2y^4z}{-9x^4y^2z^3}$

18. $\frac{145(x^2)^3 y^2 (z^4)^2}{29(x^5)^2 (y^2)^3 z^6}$