

Properties of Exponents: Day 1

Unit 1: Extending the Number System

Focus on Product of Powers and Quotient of Powers

1. $m^{-4}n^3 \cdot 2mn$	2. $m^{-2} \cdot 4m^{-2}$
3. $4ba^4 \cdot 4ab^{-3}$	4. $3y^{-3} \cdot 4x^0y^2$
5. $4xy^0 \cdot y^3 \cdot xy^{-3}$	6. $2x^0y^2 \cdot x^4y^2 \cdot 4x^2y^{-2}$
7. $\frac{x^{-4}y^2}{2xy}$	8. $\frac{4y^3}{yx^{-2}}$
9. $\frac{2u^0v^{-4}}{2u^{-3}v^0}$	10. $\frac{2yx^0}{x^4y^{-3}}$

11. $\frac{2x}{xy^2}$	12. $\frac{3u^{-4}}{3u^4}$
13. $(2ba^{-2})^0 \cdot ba^3$	14. $x^2 \cdot (2x^4y^{-4})^{-3}$
15. $\frac{ab}{3b^2 \cdot 3a^{-2}}$	16. $\frac{2x^0y^3 \cdot 3x^{-3}y^{-3}}{4x^{-2}y^4}$
17. $\frac{(m^2)^3}{2m}$	18. $\frac{x^{-4}y^3}{(x^4y^2)^{-3}}$
19. $\frac{x^2y^{-2} \cdot 2x^2y^3}{(2x^2y^3)^{-2}}$	20. $\frac{(x^3 \cdot x^{-2}y^{-4})^0}{2x^{-4}y^{-2}}$