

# Division Property of Exponents



Simplify.



$$1) \frac{8x^{-7}}{2x^{-3}} =$$

$$2) \frac{4x^{-6}}{2x^{-3}y^2} =$$

$$3) \frac{22x^{-8}}{2x^{-4}y^2} =$$

$$4) \frac{5^7}{5} =$$

$$5) \frac{2^6}{2} =$$

$$6) \frac{10^3}{10} =$$

$$7) \frac{24x^{-6}}{4x^{-3}} =$$

$$8) \frac{28x^{-8}}{4x^{-2}y^4} =$$

$$9) \frac{12x^{-6}}{4x^{-4}y^4} =$$

$$10) \frac{7^6}{7} =$$

$$11) \frac{11^8}{11} =$$

$$12) \frac{6x^{-7}}{3x^{-2}} =$$

$$13) \frac{14x^{-8}}{2x^{-4}} =$$

$$14) \frac{8^7}{8} =$$

$$15) \frac{6x^6}{2x^3} =$$

$$16) \frac{18x^{-6}}{2x^{-2}} =$$

$$17) \frac{18x^{-7}}{3x^{-4}y^3} =$$

$$18) \frac{16x^{-8}}{2x^{-2}y^2} =$$

$$19) \frac{16x^6}{4x^3} =$$

$$20) \frac{22x^7}{2x^3} =$$

$$21) \frac{20x^{-8}}{4x^{-3}} =$$

$$22) \frac{21x^7}{3x^3} =$$

$$23) \frac{40x^{-6}}{4x^{-2}} =$$

$$24) \frac{9^5}{9} =$$

$$25) \frac{12x^{-7}}{3x^{-4}y^3} =$$

$$26) \frac{10x^{-8}}{2x^{-3}y^2} =$$

$$27) \frac{27x^7}{3x^3} =$$

$$28) \frac{20x^8}{2x^4} =$$

$$29) \frac{16x^7}{2x^2} =$$

$$30) \frac{6^7}{6} =$$

# Answers of Division Property of Exponents



Simplify.

$$1) \frac{8x^{-7}}{2x^{-3}} = \frac{4}{x^4}$$

$$2) \frac{4x^{-6}}{2x^{-3}y^2} = \frac{2}{x^3y^2}$$

$$3) \frac{22x^{-8}}{2x^{-4}y^2} = \frac{11}{x^4y^2}$$

$$4) \frac{5^7}{5} = 5^6$$

$$5) \frac{2^6}{2} = 2^5$$

$$6) \frac{10^3}{10} = 10^2$$

$$7) \frac{24x^{-6}}{4x^{-3}} = \frac{6}{x^3}$$

$$8) \frac{28x^{-8}}{4x^{-2}y^4} = \frac{7}{x^6y^4}$$

$$9) \frac{12x^{-6}}{4x^{-4}y^4} = \frac{3}{x^2y^4}$$

$$10) \frac{7^6}{7} = 7^5$$

$$11) \frac{11^6}{11} = 11^5$$

$$12) \frac{6x^{-7}}{3x^{-2}} = \frac{2}{x^5}$$

$$13) \frac{14x^{-8}}{2x^{-4}} = \frac{7}{x^4}$$

$$14) \frac{8^7}{8} = 8^6$$

$$15) \frac{6x^6}{2x^3} = 3x^3$$

$$16) \frac{18x^{-6}}{2x^{-2}} = \frac{9}{x^4}$$

$$17) \frac{18x^{-7}}{3x^{-4}y^3} = \frac{6}{x^3y^3}$$

$$18) \frac{16x^{-8}}{2x^{-2}y^2} = \frac{8}{x^6y^2}$$

$$19) \frac{16x^6}{4x^3} = 4x^3$$

$$20) \frac{22x^7}{2x^3} = 11x^4$$

$$21) \frac{20x^{-8}}{4x^{-3}} = \frac{5}{x^5}$$

$$22) \frac{21x^7}{3x^3} = 7x^4$$

$$23) \frac{40x^{-6}}{4x^{-2}} = \frac{10}{x^4}$$

$$24) \frac{9^5}{9} = 9^4$$

$$25) \frac{12x^{-7}}{3x^{-4}y^3} = \frac{4}{x^3y^3}$$

$$26) \frac{10x^{-8}}{2x^{-3}y^2} = \frac{5}{x^5y^2}$$

$$27) \frac{27x^7}{3x^3} = 9x^4$$

$$28) \frac{20x^8}{2x^4} = 10x^4$$

$$29) \frac{16x^7}{2x^2} = 8x^5$$

$$30) \frac{6^7}{6} = 6^6$$