Task card 1 Quotient Rule of Exponents

$$\frac{20p^8\ q^{12}}{-5p^5\ q^6} = ___$$

Task card 2 Quotient Rule of Exponents

$$\frac{24x^{14}\ y^5}{-8x^7\ y^2} = ___$$

Task card 3 Quotient Rule of Exponents

$$\frac{-16m^{14}\ n^8}{-4m^8\ n^4} = ___$$

Task card 4 Quotient Rule of Exponents

$$\frac{10p^8\ q^9}{-2p^2\ q^2} = ___$$

Task card 5 Quotient Rule of Exponents

$$\frac{-24a^{14}\ b^9}{4a^7\ b^6} = ___$$

Task card 6 Quotient Rule of Exponents

$$\frac{45a^8\ b^9}{-9a^4\ b^7} = ___$$

Task card 7 Quotient Rule of Exponents

$$\frac{-20p^5\ q^8}{-4pq^7} = ___$$

Task card 8 Quotient Rule of Exponents

$$\frac{-48r^7\ s^3}{-8r^5\ s^2} = ___$$

Task card 9 Quotient Rule of Exponents

$$\frac{-12r^2\ s^8}{-3r^{-5}\ s^5} = ___$$

Task card 10 Quotient Rule of Exponents

$$\frac{6m^2\ n^8}{-2m^{-2}\ n^5} = ___$$

Task card 11 Quotient Rule of Exponents

$$\frac{-12p^{-2}\ q^6}{6p^{-4}\ q^4} = ___$$

Task card 12 Quotient Rule of Exponents

$$\frac{-6p^5\ q^4}{-3p^{-1}\ q^3} = ___$$

Task card 13 Quotient Rule of Exponents

$$\frac{-32m^{3}\,n^{-2}}{8m^{-5}\,n^{-5}} = ___$$

Task card 14 Quotient Rule of Exponents

$$\frac{-40p^{8}\,q^{3}}{8p^{2}\,q^{-3}} = ___$$

Task card 15 Quotient Rule of Exponents

$$\frac{-21a^{6}\,b^{7}}{7a^{-1}\,b^{3}} = ___$$

Task card 16 Quotient Rule of Exponents

$$\frac{-18m^{-3}\,n^{-3}}{-6m^{-6}\,n^{-4}} = ___$$

Task card 17 Quotient Rule of Exponents

$$\frac{-18x^{7}\,y^{10}}{9x^{6}\,y^{6}} = ___$$

Task card 18 Quotient Rule of Exponents

$$\frac{24x^{10}\,y^{7}}{-6x^{7}\,y^{2}} = ___$$

Task card 19 Quotient Rule of Exponents

$$\frac{-32a^{11}\,b^{9}}{-8a^{7}\,b} = ___$$

Task card 20 Quotient Rule of Exponents

$$\frac{-35m^{11}\,n^{10}}{7m^{3}\,n^{7}} = ___$$

Task card 21 Quotient Rule of Exponents

$$\frac{9m^{11}\,n^{4}}{-3m^{5}\,n^{2}} = ___$$

Task card 22 Quotient Rule of Exponents

$$\frac{-35x^{11}\,y^{10}}{-7x^{6}\,y^{4}} = ___$$

Task card 23 Quotient Rule of Exponents

$$\frac{-21r^{6}\,s^{7}}{7r^{5}\,s^{4}} = ___$$

Task card 24 Quotient Rule of Exponents

$$\frac{-10m^{11}\,n^{11}}{2m^{5}\,n^{5}} = ___$$

Quotient Rule of Exponents Task Cards

Recording sheet · Grade 8 · Simplify. Divide powers with the same base by subtracting the exponents.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Quotient Rule of Exponents Task Cards: Answer Key

Grade 8 · Hard

The answers online

1. $-4p^3 q^6$	**2.** $-3x^7 y^3$	**3.** $4m^6 n^4$
4. $-5p^6 q^7$	**5.** $-6a^7 b^3$	**6.** $-5a^4 b^2$
7. $5p^4 q$	**8.** $6r^2 s$	**9.** $4r^7 s^3$
10. $-3m^4 n^3$	**11.** $-2p^2 q^2$	**12.** $2p^6 q$
13. $-4m^8 n^3$	**14.** $-5p^6 q^6$	**15.** $-3a^7 b^4$
16. $3m^3 n$	**17.** $-2xy^4$	**18.** $-4x^3 y^5$
19. $4a^4 b^8$	**20.** $-5m^8 n^3$	**21.** $-3m^6 n^2$
22. $5x^5 y^6$	**23.** $-3rs^3$	**24.** $-5m^6 n^6$