Task card 1 Product Rule of Exponents

$(-4p^2\ q^3)(-7p^6\ q^8) = ___$

Task card 2 Product Rule of Exponents

$(3ab^4)(-3a^7\ b^2) = ___$

Task card 3 Product Rule of Exponents

$(8x^9\ y)(-5x^7\ y^6) = ___$

Task card 4 Product Rule of Exponents

$(-7m^4\ n)(5m^6\ n^2) = ___$

Task card 5 Product Rule of Exponents

$(-8x^9\ y^5)(5x^3\ y^2) = ___$

Task card 6 Product Rule of Exponents

$(-2x^9\ y^2)(5x^2\ y^3) = ___$

Task card 7 Product Rule of Exponents

$(-7a^3\ b^3)(-3a^2\ b^8) = ___$

Task card 8 Product Rule of Exponents

$(2a^6\ b)(-7a^3\ b^2) = ___$

Task card 9 Product Rule of Exponents

$(2a^5\ b^4)(a^5\ b^4)(-2b^5) = ___$

Task card 10 Product Rule of Exponents

$(-2rs)(2r^5\ s^6)(r^5\ s^4) = ___$

Task card 11 Product Rule of Exponents

$(-3r^5\ s)(-4r^6)(-5r^3\ s^2) = ___$

Task card 12 Product Rule of Exponents

$(3a^3\ b^2)(-2a)(5a^5\ b^3) = ___$

Task card 13 Product Rule of Exponents

$(-2pq^6)(-5p^3\ q^3)(-5p^3\ q) = ___$

Task card 14 Product Rule of Exponents

$(3rs)(4s^6)(-3r^3\ s^4) = ___$

Task card 15 Product Rule of Exponents

$(-3p^3)(4p^2\ q)(3p^5\ q^5) = ___$

Task card 16 Product Rule of Exponents

$(-5p^5)(3p^4\ q)(-4p^6\ q^4) = ___$

Task card 17 Product Rule of Exponents

$(-4p^7\ q^4)(2p^6\ q^5) = ___$

Task card 18 Product Rule of Exponents

$(-6p^7\ q^8)(-5p^3\ q) = ___$

Task card 19 Product Rule of Exponents

$(-5m^4\ n^4)(2m^3\ n^6) =$ ___

Task card 20 Product Rule of Exponents

$(-5r^5\ s^4)(-6r^4\ s^4) =$ ___

Task card 21 Product Rule of Exponents

$(-3a^8\ b^8)(-4a^3\ b^2) =$ ___

Task card 22 Product Rule of Exponents

$(-5m^6\ n^7)(-9m^3\ n^8) =$ ___

Task card 23 Product Rule of Exponents

$(8p^9\ q^7)(-7pq^8) =$ ___

Task card 24 Product Rule of Exponents

$(-6x^2\ y^9)(9x^7\ y^6) =$ ___

Product Rule of Exponents Task Cards

Recording sheet · Grade 8 · Simplify. Multiply powers with the same base by adding 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

Product Rule of Exponents Task Cards: Answer Key

Grade 8 · Hard

The answers online

1. $28p^{8}\ q^{11}$	**2.** $-9a^{8}\ b^{6}$	**3.** $-40x^{16}\ y^{7}$
4. $-35m^{10}\ n^{3}$	**5.** $-40x^{12}\ y^{7}$	**6.** $-10x^{11}\ y^{5}$
7. $21a^{5}\ b^{11}$	**8.** $-14a^{9}\ b^{3}$	**9.** $-4a^{10}\ b^{13}$
10. $-4r^{11}\ s^{11}$	**11.** $-60r^{14}\ s^{3}$	**12.** $-30a^{9}\ b^{5}$
13. $-50p^{7}\ q^{10}$	**14.** $-36r^{4}\ s^{11}$	**15.** $-36p^{10}\ q^{6}$
16. $60p^{15}\ q^{5}$	**17.** $-8p^{13}\ q^{9}$	**18.** $30p^{10}\ q^{9}$
19. $-10m^{7}\ n^{10}$	**20.** $30r^{9}\ s^{8}$	**21.** $12a^{11}\ b^{10}$
22. $45m^{9}\ n^{15}$	**23.** $-56p^{10}\ q^{15}$	**24.** $-54x^{9}\ y^{15}$