Task card 1 Product Rule of Exponents

$y^{3} \cdot y^{-6} = y__$

Task card 2 Product Rule of Exponents

$n^{-7} \cdot n^{-1} = n__$

Task card 3 Product Rule of Exponents

$n^{-3} \cdot n^{2} = n__$

Task card 4 Product Rule of Exponents

$b^{4} \cdot b^{-3} = b__$

Task card 5 Product Rule of Exponents

$n^{-2} \cdot n^{4} = n__$

Task card 6 Product Rule of Exponents

$x^{4} \cdot x^{-6} = x__$

Task card 7 Product Rule of Exponents

$m^{-2} \cdot m^{9} = m__$

Task card 8 Product Rule of Exponents

$n^{-1} \cdot n^{-8} = n__$

Task card 9 Product Rule of Exponents

$(9x^{2})(7x) = ___$

Task card 10 Product Rule of Exponents

$(8b^{9})(9b^{8}) = ___$

Task card 11 Product Rule of Exponents

$(7n^{7})(5n^{6}) = ___$

Task card 12 Product Rule of Exponents

$(7a^{2})(6a^{3}) = ___$

Task card 13 Product Rule of Exponents

$(4b^4)(2b^2) = ___$

Task card 14 Product Rule of Exponents

$(7a^7)(9a^3) = ___$

Task card 15 Product Rule of Exponents

$(5b^7)(2b^6) = ___$

Task card 16 Product Rule of Exponents

$(3x^8)(2x^5) = ___$

Task card 17 Product Rule of Exponents

$(5m^3\ n^2)(8m^5\ n^5) = ___$

Task card 18 Product Rule of Exponents

$(5m^5\ n^4)(9m^6\ n^2) = ___$

Task card 19 Product Rule of Exponents

$(2p^5\ q^3)(6p^4\ q^2)$

$= ___$

Task card 20 Product Rule of Exponents

$(9m^4\ n^2)(3m^8\ n^2$

$) = ___$

Task card 21 Product Rule of Exponents

$(7m^7\ n^5)(8m^4\ n^8$

$) = ___$

Task card 22 Product Rule of Exponents

$(2r^7\ s^6)(8r^5\ s) =$

$___$

Task card 23 Product Rule of Exponents

$(7p^9\ q^7)(7p^6\ q)$

$= ___$

Task card 24 Product Rule of Exponents

$(3x^5\ y)(5x^4\ y^9)$

$= ___$

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 · Medium

The answers online

1. -3	**2.** -8	**3.** -1
4. 1	**5.** 2	**6.** -2
7. 7	**8.** -9	**9.** $63x^{3}$
10. $72b^{17}$	**11.** $35n^{13}$	**12.** $42a^{5}$
13. $8b^{6}$	**14.** $63a^{10}$	**15.** $10b^{13}$
16. $6x^{13}$	**17.** $40m^{8}\ n^{7}$	**18.** $45m^{11}\ n^{6}$
19. $12p^{9}\ q^{5}$	**20.** $27m^{12}\ n^{4}$	**21.** $56m^{11}\ n^{13}$
22. $16r^{12}\ s^{7}$	**23.** $49p^{15}\ q^{8}$	**24.** $15x^{9}\ y^{10}$