Task card 1 Power Rule of Exponents

$(n^{-4})^{5} = n__$

Task card 2 Power Rule of Exponents

$(b^{-6})^{-2} = b__$

Task card 3 Power Rule of Exponents

$(a^{-4})^{3} = a__$

Task card 4 Power Rule of Exponents

$(n^{-2})^{5} = n__$

Task card 5 Power Rule of Exponents

$(a^{-1})^{5} = a__$

Task card 6 Power Rule of Exponents

$(m^{2})^{-2} = m__$

Task card 7 Power Rule of Exponents

$(a^{-1})^{-1} = a__$

Task card 8 Power Rule of Exponents

$(m^{-5})^{-5} = m__$

Task card 9 Power Rule of Exponents

$(6y^{6})^{3} = ___$

Task card 10 Power Rule of Exponents

$(2b^{5})^{3} = ___$

Task card 11 Power Rule of Exponents

$(4x^{2})^{3} = ___$

Task card 12 Power Rule of Exponents

$(5n^{4})^{3} = ___$

Task card 13 Power Rule of Exponents

$(2n^7)^3 = ___$

Task card 14 Power Rule of Exponents

$(6m^7)^3 = ___$

Task card 15 Power Rule of Exponents

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

Task card 16 Power Rule of Exponents

$(2a^6)^3 = ___$

Task card 17 Power Rule of Exponents

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

Task card 18 Power Rule of Exponents

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

Task card 19 Power Rule of Exponents

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

Task card 20 Power Rule of Exponents

$(a^4\ b^3)^3 = ___$

Task card 21 Power Rule of Exponents

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

Task card 22 Power Rule of Exponents

$(r^4\ s^2)^4 = ___$

Task card 23 Power Rule of Exponents

$(x^6\ y^3)^3 = ___$

Task card 24 Power Rule of Exponents

$(a^4\ b^5)^3 = ___$

Power Rule of Exponents Task Cards

Recording sheet · Grade 8 · Simplify. Raise a power to a power by multiplying 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

Power Rule of Exponents Task Cards: Answer Key

Grade 8 · Medium

The answers online

1. -20	**2.** 12	**3.** -12
4. -10	**5.** -5	**6.** -4
7. 1	**8.** 25	**9.** $216y^{18}$
10. $8b^{15}$	**11.** $64x^{6}$	**12.** $125n^{12}$
13. $8n^{21}$	**14.** $216m^{21}$	**15.** $16m^{4}$
16. $8a^{18}$	**17.** $m^{12}\ n^{20}$	**18.** $p^{8}\ q^{12}$
19. $p^{30}\ q^{15}$	**20.** $a^{12}\ b^{9}$	**21.** $x^{12}\ y^{14}$
22. $r^{16}\ s^{8}$	**23.** $x^{18}\ y^{9}$	**24.** $a^{12}\ b^{15}$