Task card 1 Power Rule of Exponents

$(3r^7\ s^2)^3 =$ ___

Task card 2 Power Rule of Exponents

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

Task card 3 Power Rule of Exponents

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

Task card 4 Power Rule of Exponents

$(-4x^3\ y^2)^3 =$ ___

Task card 5 Power Rule of Exponents

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

Task card 6 Power Rule of Exponents

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

Task card 7 Power Rule of Exponents

$(5r^7\ s^6)^4 =$ ___

Task card 8 Power Rule of Exponents

$(-2x^4\ y^3)^4 =$ ___

Task card 9 Power Rule of Exponents

$(-5x^5\ y^2\ z^4)^2 =$

___

Task card 10 Power Rule of Exponents

$(2p^3\ q^5\ r^3)^3 =$

___

Task card 11 Power Rule of Exponents

$(-6x^4\ y\ z^4)^3 =$

___

Task card 12 Power Rule of Exponents

$(2x^3\ y^3\ z)^4 =$ ___

Task card 13 Power Rule of Exponents

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

___

Task card 14 Power Rule of Exponents

$(-2x^3\ y^4\ z^3)^2 =$

___

Task card 15 Power Rule of Exponents

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

Task card 16 Power Rule of Exponents

$(2a^2\ b^4\ c^4)^2 =$

___

Task card 17 Power Rule of Exponents

$(-3r^7\ s^4)^3 =$ ___

Task card 18 Power Rule of Exponents

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

Task card 19 Power Rule of Exponents

$(-2x^6\ y^7)^3 =$ ___

Task card 20 Power Rule of Exponents

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

Task card 21 Power Rule of Exponents

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

Task card 22 Power Rule of Exponents

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

Task card 23 Power Rule of Exponents

$(-2x^6\ y^5)^3 =$ ___

Task card 24 Power Rule of Exponents

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

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 · Hard

The answers online

1. $27r^{21}\ s^{6}$	**2.** $216p^{15}\ q^{21}$	**3.** $-125p^{15}\ q^{9}$
4. $-64x^{9}\ y^{6}$	**5.** $8p^{15}\ q^{12}$	**6.** $16r^{24}\ s^{12}$
7. $625r^{28}\ s^{24}$	**8.** $16x^{16}\ y^{12}$	**9.** $25x^{10}\ y^{4}\ z^{8}$
10. $8p^{9}\ q^{15}\ r^{9}$	**11.** $-216x^{12}\ y^{3}\ z^{12}$	**12.** $16x^{12}\ y^{12}\ z^{4}$
13. $9p^{10}\ q^{8}\ r^{6}$	**14.** $4x^{6}\ y^{8}\ z^{6}$	**15.** $81p^{16}\ q^{12}\ r^{4}$
16. $4a^{4}\ b^{8}\ c^{8}$	**17.** $-27r^{21}\ s^{12}$	**18.** $16r^{16}\ s^{24}$
19. $-8x^{18}\ y^{21}$	**20.** $256m^{12}\ n^{20}$	**21.** $216m^{21}\ n^{3}$
22. $4r^{8}\ s^{10}$	**23.** $-8x^{18}\ y^{15}$	**24.** $81m^{12}\ n^{8}$