

VersaTiles Template

Activity Title: Properties of Exponents Student Name: _____

Directions: Simplify the expression.

1 $\frac{5^{12}}{5^3}$

2 17^{-2}

3 $(c^4)(c^2)^3$

4 $(-4ab^2c)^2$

5 $\left(\frac{2c^2d}{4c}\right)^2$

6 $\frac{7m^{-4}n}{28n^4}$

7 $\left(\frac{n^2m^4}{zt^2}\right)^0$

8 $a^2(b^{-5})$

9 $(2y^2)(3y^4)$

10 $\left(\frac{1}{x^2}\right)\left(\frac{1}{x^2}\right)$

11 $\frac{18f^0g^8}{6g^{12}}$

12 $(-7x^2y^4)^2$

Answer Box

A $\frac{a^2}{b^5}$	B $49x^4y^8$	C $\frac{3}{9^4}$	D $\frac{c^2d^{12}}{4}$	E $\frac{1}{x^4}$	F 1
G $\frac{1}{289}$	H $\frac{1}{4mn^3}$	I $6y^6$	J c^{10}	K 5^9	L $16a^2b^4c^2$

