



Exponents Practice

1. Write the following using exponent notation, then evaluate. For example, $8 \times 8 \times 8$ is written as 8^3 . Try using the exponent button on your calculator.

a) $6 \times 6 \times 6$

b) $2 \times 2 \times 2 \times 2 \times 2 \times 2$

c) $10 \times 10 \times 10 \times 10$

d) $(-4) \times (-4) \times (-4)$

e) $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$

f) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$

g) $(-3) \times (-3) \times (-3) \times (-3)$

h) 9×9

i) $8 \times 8 \times 8 \times 8 \times 8$

j) $(-5) \times (-5) \times (-5) \times (-5)$

k) $11 \times 11 \times 11$

l) $51 \times 51 \times 51$

m) $(-24) \times (-24) \times (-24) \times (-24) \times (-24)$

n) $1000 \times 1000 \times 1000 \times 1000$



2. Write the following exponents as repeated multiplication, then evaluate. For example, 8^3 can be written as $8 \times 8 \times 8$.

a) 3^5

b) $(-2)^8$

c) -7^4

d) 5^5

e) 3^4

f) -6^4

g) 10^5

h) -2^3

i) 12^3

j) $(-8)^5$

k) -9^3

l) $(-3)^7$

m) 15^2

n) -18^4