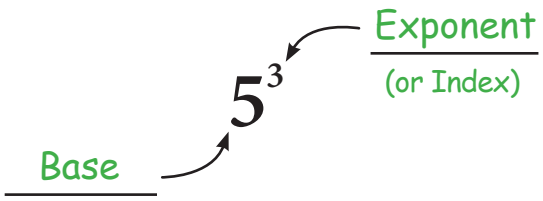
math Antics Exercises

Name: _____

Date: _____

Intro to Exponents

1 Label the parts of this expression.



2 Fill in the blanks.

If a number is "squared" that means it is raised to the 2nd power.

If a number is "cubed" that means it is raised to the 3rd power.

3 Re-write this repeated multiplication in exponent form.

$7 \times 7 \times 7 \times 7$

7^4

4 Re-write this repeated multiplication in exponent form.

$2 \times 2 \times 2 \times 2 \times 2 \times 2$

2^6

5 Calculate these "squares". (Hint: Use your multiplication table.)

$6^2 = 36$ $\quad 7^2 = 49$

$9^2 = 81$ $\quad 12^2 = 144$

6 Calculate this exponent.

$3^3 = 3 \times 3 \times 3 = 27$

7 Calculate this exponent.

$14^2 = 14 \times 14 = 196$

8 Calculate this exponent.

$10^4 = 10 \times 10 \times 10 \times 10$

$= 10{,}000$

9 Use the exponent button (x^y) on a calculator to find the value of this exponent.

$2^{10} = 1{,}024$

10 Use the exponent button (x^y) on a calculator to find the value of this exponent.

$5^7 = 78{,}125$

See Video for step-by-step solutions to each problem.