Name:

Date:

math Antics[®] Exercises

1 Label the parts of this expression.	2 Fill in the blanks.
5 ³ Exponent (or Index)	If a number is "squared" that means it is raised to the <u>2nd</u> power.
Base	If a number is "cubed" that means it is raised to the <u>3rd</u> power.
3 Re-write this repeated multiplication in exponent form.	4 Re-write this repeated multiplication in exponent form.
$7 \times 7 \times 7 \times 7$	$2 \times 2 \times 2 \times 2 \times 2 \times 2$
74	2 ⁶
5 Calculate these "squares". (Hint: Use your multiplication table.)	6 Calculate this exponent.
$6^2 = 36$ $7^2 = 49$	$3^3 = 3 \times 3 \times 3 = 27$
$9^2 = 81$ $12^2 = 144$	
7 Calculate this exponent.	8 Calculate this exponent.
$14^2 = 14 \times 14 = 196$	$10^4 = 10 \times 10 \times 10 \times 10$
	= 10,000
 Use the exponent button (x^y) on a calculator to find the value of this exponent. 	10 Use the exponent button (x ^y) on a calculator to find the value of this exponent.
$2^{10} = 1,024$	5 ⁷ = 78,125
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