

Name: Class:

Evaluate exponents

a. Evaluate 5^3 and calculate the product.

▶ The right answer is : $5 \times 5 \times 5 = 125$

b. Evaluate 9^5 and calculate the product.

c. Evaluate 8^3 and calculate the product.

d. Evaluate 12^2 and calculate the product.

▶ Evaluate and calculate the exponent expression below.

Exponents expressions	Answer	Exponents expressions	Answer
$5^4 = 5 \times 5 \times 5 \times 5$	625	$3^7 = \dots\dots\dots$	
$9^0 = \dots\dots\dots$		$11^6 = \dots\dots\dots$	
$10^5 = \dots\dots\dots$		$20,500^1 = \dots\dots\dots$	
$6^6 = \dots\dots\dots$		$2^8 = \dots\dots\dots$	
$23^3 = \dots\dots\dots$		$7^8 = \dots\dots\dots$	

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a. Evaluate 5^3 and calculate the product.

▶ The right answer is : $5 \times 5 \times 5 = 125$

b. Evaluate 9^5 and calculate the product.

▶ The right answer is : $9 \times 9 \times 9 \times 9 \times 9 = 59,049$

c. Evaluate 8^3 and calculate the product.

▶ The right answer is : $8 \times 8 \times 8 = 512$

d. Evaluate 12^2 and calculate the product.

▶ The right answer is : $12 \times 12 = 144$

▶ Evaluate and calculate the exponent expression below.

Exponent expressions	Answer	Exponent expressions	Answer
$5^4 = 5 \times 5 \times 5 \times 5$	625	$3^7 = 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$	2,187
$9^0 = 1$	1	$11^6 = 11 \times 11 \times 11 \times 11 \times 11 \times 11$	1,771,561
$10^5 = 10 \times 10 \times 10 \times 10 \times 10$	100,000	$20,500^1 = 20,500$	20,500
$6^6 = 6 \times 6 \times 6 \times 6 \times 6 \times 6$	46,656	$2^8 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$	256
$23^3 = 23 \times 23 \times 23$	12,167	$7^8 = 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$	5,764,801