

Name: Class:

Evaluate exponents

- a. Evaluate 7^3 and calculate the product.
- b. Evaluate 3^5 and calculate the product.
- c. Evaluate 8^3 and calculate the product.
- d. Evaluate 12^2 and calculate the product.
- e. Evaluate 6^3 and calculate the product.
- f. Evaluate 9^5 and calculate the product.
- g. Evaluate 2^3 and calculate the product.
- h. Evaluate 15^2 and calculate the product.
- i. Evaluate and calculate the exponent expressions below.

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

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Evaluate exponents

a. Evaluate 7^3 and calculate the product.

▶ The right answer is : $7 \times 7 \times 7 = 343$

b. Evaluate 3^5 and calculate the product.

▶ The right answer is : $3 \times 3 \times 3 \times 3 \times 3 = 243$

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 : $12 \times 12 = 144$

e. Evaluate and calculate the exponent expressions 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