

# Multiplying Exponents by Exponents

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Multiply the following exponents.

$10^3 \times 10^2 =$

$11^3 \times 4^0 =$

$20^1 \times 4^2 =$

$3^2 \times 3^2 =$

$2^4 \times 3^4 =$

$5^4 \times 3^4 =$

$4^4 \times 3^2 =$

$1^4 \times 3^2 =$

$9^2 \times 3^2 =$

$10^1 \times 10^3 =$

$6^3 \times 3^2 =$

$5^3 \times 7^2 =$

$2^4 \times 2^4 =$

$0^4 \times 9^9 =$

$9^3 \times 3^1 =$

$6^3 \times 3^3 =$

$6^2 \times 4^3 =$

$5^2 \times 3^2 =$

$9^3 \times 3^5 =$

$8^2 \times 3^3 =$

$2^4 \times 8^3 =$

# Answers

Multiply the following exponents.

$$10^3 \times 10^2 =$$

100,000

$$11^3 \times 4^0 =$$

1,331

$$20^1 \times 4^2 =$$

320

$$3^2 \times 3^2 =$$

81

$$2^4 \times 3^4 =$$

1,296

$$5^4 \times 3^4 =$$

50,625

$$4^4 \times 3^2 =$$

2,304

$$1^4 \times 3^2 =$$

9

$$9^2 \times 3^2 =$$

729

$$10^1 \times 10^3 =$$

10,000

$$6^3 \times 3^2 =$$

1,944

$$5^3 \times 7^2 =$$

6,125

$$2^4 \times 2^4 =$$

256

$$0^4 \times 9^9 =$$

0

$$9^3 \times 3^1 =$$

2,187

$$6^3 \times 3^3 =$$

5,832

$$6^2 \times 4^3 =$$

2,304

$$5^2 \times 3^2 =$$

225

$$9^3 \times 3^5 =$$

177,147

$$8^2 \times 3^3 =$$

1,728

$$2^4 \times 8^3 =$$

8,192