



# Squares and Cubes

Name \_\_\_\_\_

Score \_\_\_\_\_

Evaluate each expression.

1)  $2^2 \times 3^2$

\_\_\_\_\_

2)  $12^2 + 11^2$

\_\_\_\_\_

3)  $6^3 \div 3^3$

\_\_\_\_\_

4)  $4^3 - 1^3$

\_\_\_\_\_

5)  $7^2 + 5^3$

\_\_\_\_\_

6)  $2^3 \times 10^2$

\_\_\_\_\_

7)  $8^3 \div 4^2$

\_\_\_\_\_

8)  $11^3 - 9^2$

\_\_\_\_\_

Compare each expression using the symbols  $<$ ,  $>$  or  $=$ .

1)  $2^3 + 4^3$   101

2)  $11^2 - 3^2$   99

3)  $5^2 \times 6^2$   900

4)  $4^3 \div 8^2$   5

5)  $13^2 - 3^3$   138

6)  $1^3 + 7^3$   344



# Squares and Cubes

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

Evaluate each expression.

1)  $2^2 \times 3^2$

**36**

2)  $12^2 + 11^2$

**265**

3)  $6^3 \div 3^3$

**8**

4)  $4^3 - 1^3$

**63**

5)  $7^2 + 5^3$

**174**

6)  $2^3 \times 10^2$

**800**

7)  $8^3 \div 4^2$

**32**

8)  $11^3 - 9^2$

**1,250**

Compare each expression using the symbols  $<$ ,  $>$  or  $=$ .

1)  $2^3 + 4^3$   $<$  101

2)  $11^2 - 3^2$   $>$  99

3)  $5^2 \times 6^2$   $=$  900

4)  $4^3 \div 8^2$   $<$  5

5)  $13^2 - 3^3$   $>$  138

6)  $1^3 + 7^3$   $=$  344