

Squares and cubes

Evaluate. These are squares and cubes.

1. $12^3 =$ 1,728

2. $3^2 =$ 9

3. $4^2 =$ 16

4. $20^2 =$ 400

5. $11^3 =$ 1,331

6. $7^2 =$ 49

7. $7^3 =$ 343

8. $9^3 =$ 729

9. $5^3 =$ 125

10. $12^2 =$ 144

11. $11^2 =$ 121

12. $3^3 =$ 27

Powers of 10

Evaluate each power of 10.

1. $4 \times 10^3 =$ 4,000

2. $10^6 =$ 1,000,000

3. $7 \times 10^4 =$ 70,000

4. $2 \times 10^2 =$ 200

5. $7 \times 10^3 =$ 7,000

6. $4 \times 10^4 =$ 40,000

7. $10^2 =$ 100

8. $10^1 =$ 10

9. $10^5 =$ 100,000

10. $10^3 =$ 1,000

11. $10^4 =$ 10,000

12. $9 \times 10^4 =$ 90,000

Exponents of 4 and 5

Evaluate. The exponent is 4 or 5.

1. $3^5 =$ 243

2. $6^4 =$ 1,296

3. $4^4 =$ 256

4. $4^5 =$ 1,024

5. $3^4 =$ 81

6. $5^4 =$ 625

7. $2^5 =$ 32

8. $2^4 =$ 16

9. $3^4 =$ 81

10. $2^4 =$ 16

11. $2^5 =$ 32

12. $4^5 =$ 1,024

Powers in expressions

Evaluate. Do the power before the other operation.

1. $12 \times 3^3 =$ 324

2. $6 \times 12^2 =$ 864

3. $100 \div 5^2 =$ 4

4. $9 \times 6^2 =$ 324

5. $3^2 - 3 =$ 6

6. $7 \times 8^2 =$ 448

7. $4^2 + 49 =$ 65

8. $2^3 - 1 =$ 7

9. $256 \div 8^2 =$ 4

10. $5^3 + 80 =$ 205

11. $76 - 7^2 =$ 27

12. $700 \div 10^2 =$ 7