

Squares and cubes

Evaluate. These are squares and cubes.

1. $6^2 =$ 36

2. $2^3 =$ 8

3. $12^3 =$ 1,728

4. $9^3 =$ 729

5. $8^3 =$ 512

6. $4^2 =$ 16

7. $11^2 =$ 121

8. $5^2 =$ 25

9. $50^2 =$ 2,500

10. $40^2 =$ 1,600

11. $4^3 =$ 64

12. $25^2 =$ 625

Powers of 10

Evaluate each power of 10.

1. $10^2 =$ 100

2. $8 \times 10^3 =$ 8,000

3. $2 \times 10^4 =$ 20,000

4. $10^4 =$ 10,000

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

6. $10^1 =$ 10

7. $8 \times 10^4 =$ 80,000

8. $9 \times 10^4 =$ 90,000

9. $10^6 =$ 1,000,000

10. $2 \times 10^3 =$ 2,000

11. $3 \times 10^2 =$ 300

12. $6 \times 10^2 =$ 600

Exponents of 4 and 5

Evaluate. The exponent is 4 or 5.

1. $4^5 =$ 1,024

2. $5^4 =$ 625

3. $3^5 =$ 243

4. $4^4 =$ 256

5. $6^4 =$ 1,296

6. $2^4 =$ 16

7. $3^4 =$ 81

8. $2^5 =$ 32

9. $5^4 =$ 625

10. $2^5 =$ 32

11. $4^4 =$ 256

12. $4^4 =$ 256

Powers in expressions

Evaluate. Do the power before the other operation.

1. $32 \div 4^2 =$ 2

2. $162 \div 3^4 =$ 2

3. $6 \times 4^2 =$ 96

4. $3^4 \times 6 =$ 486

5. $114 - 9^2 =$ 33

6. $75 + 8^2 =$ 139

7. $7^2 - 7 =$ 42

8. $3 + 2^2 =$ 7

9. $3 \times 12^2 =$ 432

10. $12 \times 6^2 =$ 432

11. $11^2 \times 5 =$ 605

12. $7 \times 6^2 =$ 252