

Expanded to Standard Form With Decimals (A)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(3 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (6 \times 10^{-3}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-8}) + (4 \times 10^{-9})$
- $(8 \times 10^0) + (8 \times 10^{-1}) + (9 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-7}) + (3 \times 10^{-8}) + (7 \times 10^{-9})$
- $(8 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (6 \times 10^{-3}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (1 \times 10^{-8}) + (7 \times 10^{-9})$
- $(1 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (2 \times 10^{-4}) + (1 \times 10^{-5}) + (8 \times 10^{-6}) + (4 \times 10^{-8}) + (8 \times 10^{-9})$
- $(9 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (5 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-8}) + (1 \times 10^{-9})$
- $(6 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-6}) + (7 \times 10^{-7}) + (1 \times 10^{-8}) + (4 \times 10^{-9})$
- $(4 \times 10^0) + (6 \times 10^{-1}) + (6 \times 10^{-3}) + (8 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (8 \times 10^{-8}) + (9 \times 10^{-9})$
- $(7 \times 10^0) + (4 \times 10^{-1}) + (7 \times 10^{-2}) + (6 \times 10^{-3}) + (7 \times 10^{-4}) + (1 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-9})$
- $(5 \times 10^0) + (6 \times 10^{-1}) + (7 \times 10^{-4}) + (4 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (9 \times 10^{-8}) + (8 \times 10^{-9})$
- $(5 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (9 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (9 \times 10^{-6}) + (9 \times 10^{-7}) + (4 \times 10^{-8}) + (6 \times 10^{-9})$

Expanded to Standard Form With Decimals (A) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(3 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (6 \times 10^{-3}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-8}) + (4 \times 10^{-9})$

3.416998674

2. $(8 \times 10^0) + (8 \times 10^{-1}) + (9 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-7}) + (3 \times 10^{-8}) + (7 \times 10^{-9})$

8.897517837

3. $(8 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (6 \times 10^{-3}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (1 \times 10^{-8}) + (7 \times 10^{-9})$

8.126416417

4. $(1 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (2 \times 10^{-4}) + (1 \times 10^{-5}) + (8 \times 10^{-6}) + (4 \times 10^{-8}) + (8 \times 10^{-9})$

1.882218048

5. $(9 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (5 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-8}) + (1 \times 10^{-9})$

9.739157081

6. $(6 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-6}) + (7 \times 10^{-7}) + (1 \times 10^{-8}) + (4 \times 10^{-9})$

6.812922714

7. $(4 \times 10^0) + (6 \times 10^{-1}) + (6 \times 10^{-3}) + (8 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (8 \times 10^{-8}) + (9 \times 10^{-9})$

4.606836989

8. $(7 \times 10^0) + (4 \times 10^{-1}) + (7 \times 10^{-2}) + (6 \times 10^{-3}) + (7 \times 10^{-4}) + (1 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-9})$

7.476719506

9. $(5 \times 10^0) + (6 \times 10^{-1}) + (7 \times 10^{-4}) + (4 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (9 \times 10^{-8}) + (8 \times 10^{-9})$

5.600746498

10. $(5 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (9 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (9 \times 10^{-6}) + (9 \times 10^{-7}) + (4 \times 10^{-8}) + (6 \times 10^{-9})$

5.289469946

Expanded to Standard Form With Decimals (B)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(3 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-8}) + (7 \times 10^{-9})$
- $(2 \times 10^0) + (6 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (8 \times 10^{-4}) + (7 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (2 \times 10^{-9})$
- $(4 \times 10^0) + (3 \times 10^{-1}) + (6 \times 10^{-2}) + (3 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (2 \times 10^{-9})$
- $(1 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (7 \times 10^{-5}) + (7 \times 10^{-6}) + (1 \times 10^{-7}) + (3 \times 10^{-8}) + (1 \times 10^{-9})$
- $(5 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (4 \times 10^{-3}) + (8 \times 10^{-4}) + (9 \times 10^{-5}) + (5 \times 10^{-6}) + (2 \times 10^{-7}) + (1 \times 10^{-8}) + (5 \times 10^{-9})$
- $(4 \times 10^0) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-4}) + (4 \times 10^{-5}) + (1 \times 10^{-6}) + (8 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$
- $(4 \times 10^0) + (8 \times 10^{-1}) + (9 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (3 \times 10^{-5}) + (9 \times 10^{-6}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$
- $(8 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (3 \times 10^{-5}) + (1 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-9})$
- $(8 \times 10^0) + (4 \times 10^{-2}) + (8 \times 10^{-3}) + (3 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (4 \times 10^{-8}) + (3 \times 10^{-9})$
- $(3 \times 10^0) + (2 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-7}) + (9 \times 10^{-8}) + (1 \times 10^{-9})$

Expanded to Standard Form With Decimals (B) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(3 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-8}) + (7 \times 10^{-9})$

3.288222567

2. $(2 \times 10^0) + (6 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (8 \times 10^{-4}) + (7 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (2 \times 10^{-9})$

2.688874302

3. $(4 \times 10^0) + (3 \times 10^{-1}) + (6 \times 10^{-2}) + (3 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (2 \times 10^{-9})$

4.363548602

4. $(1 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (7 \times 10^{-5}) + (7 \times 10^{-6}) + (1 \times 10^{-7}) + (3 \times 10^{-8}) + (1 \times 10^{-9})$

1.212877131

5. $(5 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (4 \times 10^{-3}) + (8 \times 10^{-4}) + (9 \times 10^{-5}) + (5 \times 10^{-6}) + (2 \times 10^{-7}) + (1 \times 10^{-8}) + (5 \times 10^{-9})$

5.774895215

6. $(4 \times 10^0) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-4}) + (4 \times 10^{-5}) + (1 \times 10^{-6}) + (8 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$

4.027941868

7. $(4 \times 10^0) + (8 \times 10^{-1}) + (9 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (3 \times 10^{-5}) + (9 \times 10^{-6}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$

4.898139011

8. $(8 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (3 \times 10^{-5}) + (1 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-9})$

8.382531607

9. $(8 \times 10^0) + (4 \times 10^{-2}) + (8 \times 10^{-3}) + (3 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (4 \times 10^{-8}) + (3 \times 10^{-9})$

8.048336243

10. $(3 \times 10^0) + (2 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (2 \times 10^{-7}) + (9 \times 10^{-8}) + (1 \times 10^{-9})$

3.239120291

Expanded to Standard Form With Decimals (C)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(8 \times 10^0) + (7 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$
- $(9 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (6 \times 10^{-4}) + (7 \times 10^{-5}) + (1 \times 10^{-6}) + (2 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$
- $(4 \times 10^0) + (1 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6}) + (2 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$
- $(6 \times 10^0) + (5 \times 10^{-1}) + (9 \times 10^{-2}) + (6 \times 10^{-3}) + (9 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-8}) + (6 \times 10^{-9})$
- $(9 \times 10^0) + (7 \times 10^{-1}) + (6 \times 10^{-2}) + (4 \times 10^{-3}) + (5 \times 10^{-4}) + (8 \times 10^{-5}) + (4 \times 10^{-6}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$
- $(8 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (1 \times 10^{-3}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (1 \times 10^{-6}) + (7 \times 10^{-7}) + (8 \times 10^{-8}) + (8 \times 10^{-9})$
- $(9 \times 10^0) + (7 \times 10^{-1}) + (8 \times 10^{-2}) + (7 \times 10^{-3}) + (4 \times 10^{-4}) + (5 \times 10^{-6}) + (5 \times 10^{-7}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$
- $(2 \times 10^0) + (3 \times 10^{-1}) + (3 \times 10^{-2}) + (1 \times 10^{-3}) + (9 \times 10^{-4}) + (7 \times 10^{-5}) + (5 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$
- $(6 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (4 \times 10^{-6}) + (6 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$
- $(8 \times 10^0) + (9 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (7 \times 10^{-5}) + (8 \times 10^{-6}) + (3 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$

Expanded to Standard Form With Decimals (C) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(8 \times 10^0) + (7 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (7 \times 10^{-6}) + (8 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$

8.750427868

2. $(9 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (6 \times 10^{-4}) + (7 \times 10^{-5}) + (1 \times 10^{-6}) + (2 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$

9.888671261

3. $(4 \times 10^0) + (1 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6}) + (2 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$

4.188123252

4. $(6 \times 10^0) + (5 \times 10^{-1}) + (9 \times 10^{-2}) + (6 \times 10^{-3}) + (9 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-8}) + (6 \times 10^{-9})$

6.596986526

5. $(9 \times 10^0) + (7 \times 10^{-1}) + (6 \times 10^{-2}) + (4 \times 10^{-3}) + (5 \times 10^{-4}) + (8 \times 10^{-5}) + (4 \times 10^{-6}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$

9.764584011

6. $(8 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (1 \times 10^{-3}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (1 \times 10^{-6}) + (7 \times 10^{-7}) + (8 \times 10^{-8}) + (8 \times 10^{-9})$

8.381421788

7. $(9 \times 10^0) + (7 \times 10^{-1}) + (8 \times 10^{-2}) + (7 \times 10^{-3}) + (4 \times 10^{-4}) + (5 \times 10^{-6}) + (5 \times 10^{-7}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$

9.787405535

8. $(2 \times 10^0) + (3 \times 10^{-1}) + (3 \times 10^{-2}) + (1 \times 10^{-3}) + (9 \times 10^{-4}) + (7 \times 10^{-5}) + (5 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$

2.331975561

9. $(6 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (4 \times 10^{-6}) + (6 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$

6.770994657

10. $(8 \times 10^0) + (9 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (7 \times 10^{-5}) + (8 \times 10^{-6}) + (3 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$

8.094778333

Expanded to Standard Form With Decimals (D)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(9 \times 10^0) + (2 \times 10^{-1}) + (4 \times 10^{-2}) + (7 \times 10^{-3}) + (3 \times 10^{-4}) + (1 \times 10^{-5}) + (1 \times 10^{-6}) + (7 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$
- $(1 \times 10^0) + (3 \times 10^{-4}) + (2 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-8}) + (2 \times 10^{-9})$
- $(5 \times 10^0) + (1 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-3}) + (4 \times 10^{-4}) + (5 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (7 \times 10^{-8}) + (2 \times 10^{-9})$
- $(3 \times 10^0) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (1 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$
- $(2 \times 10^0) + (2 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-4}) + (9 \times 10^{-6}) + (6 \times 10^{-9})$
- $(2 \times 10^0) + (5 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (6 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$
- $(8 \times 10^0) + (8 \times 10^{-1}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (1 \times 10^{-6}) + (2 \times 10^{-7}) + (4 \times 10^{-8}) + (3 \times 10^{-9})$
- $(1 \times 10^0) + (7 \times 10^{-1}) + (9 \times 10^{-2}) + (6 \times 10^{-3}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (8 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$
- $(6 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (1 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (4 \times 10^{-6}) + (1 \times 10^{-7}) + (3 \times 10^{-8}) + (1 \times 10^{-9})$
- $(7 \times 10^0) + (7 \times 10^{-1}) + (2 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (1 \times 10^{-5}) + (5 \times 10^{-6}) + (7 \times 10^{-7}) + (6 \times 10^{-8}) + (4 \times 10^{-9})$

Expanded to Standard Form With Decimals (D) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(9 \times 10^0) + (2 \times 10^{-1}) + (4 \times 10^{-2}) + (7 \times 10^{-3}) + (3 \times 10^{-4}) + (1 \times 10^{-5}) + (1 \times 10^{-6}) + (7 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$

9.247311796

2. $(1 \times 10^0) + (3 \times 10^{-4}) + (2 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-8}) + (2 \times 10^{-9})$

1.000328062

3. $(5 \times 10^0) + (1 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-3}) + (4 \times 10^{-4}) + (5 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (7 \times 10^{-8}) + (2 \times 10^{-9})$

5.154459872

4. $(3 \times 10^0) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (1 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$

3.009826196

5. $(2 \times 10^0) + (2 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-4}) + (9 \times 10^{-6}) + (6 \times 10^{-9})$

2.250509006

6. $(2 \times 10^0) + (5 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (6 \times 10^{-4}) + (3 \times 10^{-5}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$

2.588636957

7. $(8 \times 10^0) + (8 \times 10^{-1}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (1 \times 10^{-6}) + (2 \times 10^{-7}) + (4 \times 10^{-8}) + (3 \times 10^{-9})$

8.807541243

8. $(1 \times 10^0) + (7 \times 10^{-1}) + (9 \times 10^{-2}) + (6 \times 10^{-3}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (8 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$

1.796026896

9. $(6 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (1 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (4 \times 10^{-6}) + (1 \times 10^{-7}) + (3 \times 10^{-8}) + (1 \times 10^{-9})$

6.621184131

10. $(7 \times 10^0) + (7 \times 10^{-1}) + (2 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (1 \times 10^{-5}) + (5 \times 10^{-6}) + (7 \times 10^{-7}) + (6 \times 10^{-8}) + (4 \times 10^{-9})$

7.725215764

Expanded to Standard Form With Decimals (E)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(8 \times 10^0) + (4 \times 10^{-1}) + (6 \times 10^{-2}) + (8 \times 10^{-3}) + (3 \times 10^{-6}) + (4 \times 10^{-7}) + (3 \times 10^{-8}) + (7 \times 10^{-9})$
- $(1 \times 10^0) + (1 \times 10^{-1}) + (5 \times 10^{-3}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (3 \times 10^{-6}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$
- $(4 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$
- $(7 \times 10^0) + (4 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-3}) + (1 \times 10^{-4}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (8 \times 10^{-8}) + (4 \times 10^{-9})$
- $(1 \times 10^0) + (5 \times 10^{-1}) + (3 \times 10^{-2}) + (7 \times 10^{-3}) + (7 \times 10^{-4}) + (8 \times 10^{-5}) + (7 \times 10^{-6}) + (2 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$
- $(7 \times 10^0) + (2 \times 10^{-1}) + (2 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (1 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (4 \times 10^{-8}) + (4 \times 10^{-9})$
- $(6 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (1 \times 10^{-3}) + (6 \times 10^{-4}) + (9 \times 10^{-5}) + (3 \times 10^{-6}) + (1 \times 10^{-7}) + (2 \times 10^{-8}) + (4 \times 10^{-9})$
- $(5 \times 10^0) + (6 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-6}) + (3 \times 10^{-7}) + (8 \times 10^{-8}) + (5 \times 10^{-9})$
- $(7 \times 10^0) + (2 \times 10^{-1}) + (3 \times 10^{-3}) + (7 \times 10^{-4}) + (5 \times 10^{-5}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (4 \times 10^{-8}) + (9 \times 10^{-9})$
- $(4 \times 10^0) + (1 \times 10^{-2}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (1 \times 10^{-6}) + (4 \times 10^{-7}) + (4 \times 10^{-9})$

Expanded to Standard Form With Decimals (E) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(8 \times 10^0) + (4 \times 10^{-1}) + (6 \times 10^{-2}) + (8 \times 10^{-3}) + (3 \times 10^{-6}) + (4 \times 10^{-7}) + (3 \times 10^{-8}) + (7 \times 10^{-9})$

8.468003437

2. $(1 \times 10^0) + (1 \times 10^{-1}) + (5 \times 10^{-3}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (3 \times 10^{-6}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$

1.105413035

3. $(4 \times 10^0) + (8 \times 10^{-1}) + (8 \times 10^{-2}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$

4.880424371

4. $(7 \times 10^0) + (4 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-3}) + (1 \times 10^{-4}) + (6 \times 10^{-6}) + (9 \times 10^{-7}) + (8 \times 10^{-8}) + (4 \times 10^{-9})$

7.455106984

5. $(1 \times 10^0) + (5 \times 10^{-1}) + (3 \times 10^{-2}) + (7 \times 10^{-3}) + (7 \times 10^{-4}) + (8 \times 10^{-5}) + (7 \times 10^{-6}) + (2 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$

1.537787252

6. $(7 \times 10^0) + (2 \times 10^{-1}) + (2 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (1 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (4 \times 10^{-8}) + (4 \times 10^{-9})$

7.222819544

7. $(6 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (1 \times 10^{-3}) + (6 \times 10^{-4}) + (9 \times 10^{-5}) + (3 \times 10^{-6}) + (1 \times 10^{-7}) + (2 \times 10^{-8}) + (4 \times 10^{-9})$

6.411693124

8. $(5 \times 10^0) + (6 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-6}) + (3 \times 10^{-7}) + (8 \times 10^{-8}) + (5 \times 10^{-9})$

5.612501385

9. $(7 \times 10^0) + (2 \times 10^{-1}) + (3 \times 10^{-3}) + (7 \times 10^{-4}) + (5 \times 10^{-5}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (4 \times 10^{-8}) + (9 \times 10^{-9})$

7.203751949

10. $(4 \times 10^0) + (1 \times 10^{-2}) + (4 \times 10^{-4}) + (1 \times 10^{-5}) + (1 \times 10^{-6}) + (4 \times 10^{-7}) + (4 \times 10^{-9})$

4.010411404

Expanded to Standard Form With Decimals (F)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(9 \times 10^0) + (8 \times 10^{-2}) + (6 \times 10^{-3}) + (3 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (9 \times 10^{-9})$
- $(8 \times 10^0) + (8 \times 10^{-2}) + (9 \times 10^{-4}) + (3 \times 10^{-5}) + (1 \times 10^{-6}) + (6 \times 10^{-7}) + (2 \times 10^{-8}) + (9 \times 10^{-9})$
- $(8 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-4}) + (3 \times 10^{-5}) + (8 \times 10^{-6}) + (1 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$
- $(4 \times 10^0) + (6 \times 10^{-1}) + (5 \times 10^{-2}) + (3 \times 10^{-3}) + (8 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (5 \times 10^{-8}) + (3 \times 10^{-9})$
- $(9 \times 10^0) + (7 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6}) + (1 \times 10^{-7}) + (9 \times 10^{-8}) + (8 \times 10^{-9})$
- $(3 \times 10^0) + (8 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (6 \times 10^{-5}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$
- $(5 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-5}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$
- $(3 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (1 \times 10^{-3}) + (3 \times 10^{-4}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (7 \times 10^{-9})$
- $(2 \times 10^0) + (5 \times 10^{-1}) + (1 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (2 \times 10^{-6}) + (3 \times 10^{-7}) + (7 \times 10^{-8}) + (8 \times 10^{-9})$
- $(3 \times 10^0) + (8 \times 10^{-1}) + (6 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-8}) + (4 \times 10^{-9})$

Expanded to Standard Form With Decimals (F) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(9 \times 10^0) + (8 \times 10^{-2}) + (6 \times 10^{-3}) + (3 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (9 \times 10^{-9})$

9.086386319

2. $(8 \times 10^0) + (8 \times 10^{-2}) + (9 \times 10^{-4}) + (3 \times 10^{-5}) + (1 \times 10^{-6}) + (6 \times 10^{-7}) + (2 \times 10^{-8}) + (9 \times 10^{-9})$

8.080931629

3. $(8 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-4}) + (3 \times 10^{-5}) + (8 \times 10^{-6}) + (1 \times 10^{-7}) + (6 \times 10^{-8}) + (8 \times 10^{-9})$

8.210238168

4. $(4 \times 10^0) + (6 \times 10^{-1}) + (5 \times 10^{-2}) + (3 \times 10^{-3}) + (8 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (5 \times 10^{-8}) + (3 \times 10^{-9})$

4.653889853

5. $(9 \times 10^0) + (7 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6}) + (1 \times 10^{-7}) + (9 \times 10^{-8}) + (8 \times 10^{-9})$

9.712523198

6. $(3 \times 10^0) + (8 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (6 \times 10^{-5}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (6 \times 10^{-8}) + (1 \times 10^{-9})$

3.084761961

7. $(5 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-5}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (1 \times 10^{-9})$

5.737090311

8. $(3 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (1 \times 10^{-3}) + (3 \times 10^{-4}) + (1 \times 10^{-6}) + (9 \times 10^{-7}) + (7 \times 10^{-9})$

3.281301907

9. $(2 \times 10^0) + (5 \times 10^{-1}) + (1 \times 10^{-3}) + (5 \times 10^{-4}) + (4 \times 10^{-5}) + (2 \times 10^{-6}) + (3 \times 10^{-7}) + (7 \times 10^{-8}) + (8 \times 10^{-9})$

2.501542378

10. $(3 \times 10^0) + (8 \times 10^{-1}) + (6 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-8}) + (4 \times 10^{-9})$

3.868189524

Expanded to Standard Form With Decimals (G)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(6 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (4 \times 10^{-3}) + (9 \times 10^{-4}) + (1 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$
- $(2 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (3 \times 10^{-3}) + (5 \times 10^{-4}) + (7 \times 10^{-5}) + (9 \times 10^{-6}) + (2 \times 10^{-7}) + (1 \times 10^{-8}) + (6 \times 10^{-9})$
- $(1 \times 10^0) + (6 \times 10^{-1}) + (3 \times 10^{-2}) + (6 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-5}) + (7 \times 10^{-6}) + (1 \times 10^{-7}) + (4 \times 10^{-8}) + (4 \times 10^{-9})$
- $(7 \times 10^0) + (1 \times 10^{-1}) + (8 \times 10^{-2}) + (7 \times 10^{-3}) + (6 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$
- $(6 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (1 \times 10^{-4}) + (7 \times 10^{-5}) + (8 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (3 \times 10^{-9})$
- $(5 \times 10^0) + (6 \times 10^{-1}) + (7 \times 10^{-2}) + (5 \times 10^{-3}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$
- $(1 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (9 \times 10^{-3}) + (6 \times 10^{-4}) + (6 \times 10^{-5}) + (5 \times 10^{-6}) + (2 \times 10^{-7}) + (9 \times 10^{-8}) + (3 \times 10^{-9})$
- $(7 \times 10^0) + (4 \times 10^{-1}) + (8 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (6 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$
- $(5 \times 10^0) + (6 \times 10^{-1}) + (9 \times 10^{-2}) + (5 \times 10^{-5}) + (3 \times 10^{-6}) + (4 \times 10^{-7}) + (8 \times 10^{-8}) + (2 \times 10^{-9})$
- $(4 \times 10^0) + (1 \times 10^{-1}) + (7 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-7}) + (7 \times 10^{-8}) + (6 \times 10^{-9})$

Expanded to Standard Form With Decimals (G) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(6 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (4 \times 10^{-3}) + (9 \times 10^{-4}) + (1 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$

6.814901352

2. $(2 \times 10^0) + (7 \times 10^{-1}) + (3 \times 10^{-2}) + (3 \times 10^{-3}) + (5 \times 10^{-4}) + (7 \times 10^{-5}) + (9 \times 10^{-6}) + (2 \times 10^{-7}) + (1 \times 10^{-8}) + (6 \times 10^{-9})$

2.733579216

3. $(1 \times 10^0) + (6 \times 10^{-1}) + (3 \times 10^{-2}) + (6 \times 10^{-3}) + (5 \times 10^{-4}) + (1 \times 10^{-5}) + (7 \times 10^{-6}) + (1 \times 10^{-7}) + (4 \times 10^{-8}) + (4 \times 10^{-9})$

1.636517144

4. $(7 \times 10^0) + (1 \times 10^{-1}) + (8 \times 10^{-2}) + (7 \times 10^{-3}) + (6 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$

7.187686233

5. $(6 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (1 \times 10^{-4}) + (7 \times 10^{-5}) + (8 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (3 \times 10^{-9})$

6.127178753

6. $(5 \times 10^0) + (6 \times 10^{-1}) + (7 \times 10^{-2}) + (5 \times 10^{-3}) + (9 \times 10^{-4}) + (9 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$

5.675996055

7. $(1 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (9 \times 10^{-3}) + (6 \times 10^{-4}) + (6 \times 10^{-5}) + (5 \times 10^{-6}) + (2 \times 10^{-7}) + (9 \times 10^{-8}) + (3 \times 10^{-9})$

1.269665293

8. $(7 \times 10^0) + (4 \times 10^{-1}) + (8 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (6 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$

7.408466755

9. $(5 \times 10^0) + (6 \times 10^{-1}) + (9 \times 10^{-2}) + (5 \times 10^{-5}) + (3 \times 10^{-6}) + (4 \times 10^{-7}) + (8 \times 10^{-8}) + (2 \times 10^{-9})$

5.690053482

10. $(4 \times 10^0) + (1 \times 10^{-1}) + (7 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (5 \times 10^{-7}) + (7 \times 10^{-8}) + (6 \times 10^{-9})$

4.173486576

Expanded to Standard Form With Decimals (H)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(1 \times 10^0) + (9 \times 10^{-1}) + (9 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (6 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$
- $(1 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-5}) + (5 \times 10^{-6}) + (6 \times 10^{-9})$
- $(5 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (9 \times 10^{-3}) + (9 \times 10^{-5}) + (2 \times 10^{-6}) + (3 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$
- $(4 \times 10^0) + (9 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (8 \times 10^{-5}) + (7 \times 10^{-6}) + (4 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$
- $(7 \times 10^0) + (1 \times 10^{-1}) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-6}) + (8 \times 10^{-7}) + (7 \times 10^{-8}) + (9 \times 10^{-9})$
- $(6 \times 10^0) + (1 \times 10^{-1}) + (4 \times 10^{-2}) + (5 \times 10^{-3}) + (3 \times 10^{-5}) + (2 \times 10^{-6}) + (7 \times 10^{-7}) + (2 \times 10^{-9})$
- $(8 \times 10^0) + (2 \times 10^{-1}) + (4 \times 10^{-2}) + (7 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-8}) + (6 \times 10^{-9})$
- $(2 \times 10^0) + (6 \times 10^{-1}) + (9 \times 10^{-2}) + (2 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (7 \times 10^{-6}) + (3 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$
- $(6 \times 10^0) + (4 \times 10^{-1}) + (9 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (8 \times 10^{-8}) + (9 \times 10^{-9})$
- $(5 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (4 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$

Expanded to Standard Form With Decimals (H) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(1 \times 10^0) + (9 \times 10^{-1}) + (9 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (6 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$

1.998164571

2. $(1 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-5}) + (5 \times 10^{-6}) + (6 \times 10^{-9})$

1.812095006

3. $(5 \times 10^0) + (3 \times 10^{-1}) + (8 \times 10^{-2}) + (9 \times 10^{-3}) + (9 \times 10^{-5}) + (2 \times 10^{-6}) + (3 \times 10^{-7}) + (3 \times 10^{-8}) + (3 \times 10^{-9})$

5.389092333

4. $(4 \times 10^0) + (9 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (8 \times 10^{-5}) + (7 \times 10^{-6}) + (4 \times 10^{-7}) + (5 \times 10^{-8}) + (2 \times 10^{-9})$

4.939887452

5. $(7 \times 10^0) + (1 \times 10^{-1}) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-6}) + (8 \times 10^{-7}) + (7 \times 10^{-8}) + (9 \times 10^{-9})$

7.135502879

6. $(6 \times 10^0) + (1 \times 10^{-1}) + (4 \times 10^{-2}) + (5 \times 10^{-3}) + (3 \times 10^{-5}) + (2 \times 10^{-6}) + (7 \times 10^{-7}) + (2 \times 10^{-9})$

6.145032702

7. $(8 \times 10^0) + (2 \times 10^{-1}) + (4 \times 10^{-2}) + (7 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-8}) + (6 \times 10^{-9})$

8.240744356

8. $(2 \times 10^0) + (6 \times 10^{-1}) + (9 \times 10^{-2}) + (2 \times 10^{-3}) + (1 \times 10^{-4}) + (2 \times 10^{-5}) + (7 \times 10^{-6}) + (3 \times 10^{-7}) + (9 \times 10^{-8}) + (6 \times 10^{-9})$

2.692127396

9. $(6 \times 10^0) + (4 \times 10^{-1}) + (9 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (4 \times 10^{-6}) + (3 \times 10^{-7}) + (8 \times 10^{-8}) + (9 \times 10^{-9})$

6.409224389

10. $(5 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (9 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6}) + (4 \times 10^{-7}) + (7 \times 10^{-8}) + (1 \times 10^{-9})$

5.129189471

Expanded to Standard Form With Decimals (I)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(1 \times 10^0) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-6}) + (1 \times 10^{-7}) + (7 \times 10^{-8}) + (5 \times 10^{-9})$
- $(9 \times 10^0) + (5 \times 10^{-1}) + (5 \times 10^{-2}) + (6 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (4 \times 10^{-8}) + (8 \times 10^{-9})$
- $(4 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (1 \times 10^{-4}) + (6 \times 10^{-5}) + (5 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-9})$
- $(1 \times 10^0) + (2 \times 10^{-1}) + (7 \times 10^{-2}) + (9 \times 10^{-3}) + (3 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (4 \times 10^{-7}) + (1 \times 10^{-8}) + (2 \times 10^{-9})$
- $(3 \times 10^0) + (5 \times 10^{-1}) + (4 \times 10^{-2}) + (8 \times 10^{-3}) + (8 \times 10^{-4}) + (4 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-9})$
- $(6 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (7 \times 10^{-3}) + (8 \times 10^{-4}) + (9 \times 10^{-5}) + (1 \times 10^{-6}) + (4 \times 10^{-7}) + (8 \times 10^{-8}) + (8 \times 10^{-9})$
- $(5 \times 10^0) + (5 \times 10^{-1}) + (9 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-5}) + (7 \times 10^{-6}) + (2 \times 10^{-7}) + (2 \times 10^{-8}) + (6 \times 10^{-9})$
- $(8 \times 10^0) + (4 \times 10^{-1}) + (6 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (5 \times 10^{-8}) + (9 \times 10^{-9})$
- $(8 \times 10^0) + (4 \times 10^{-1}) + (7 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-9})$
- $(8 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-4}) + (3 \times 10^{-5}) + (5 \times 10^{-6}) + (4 \times 10^{-8}) + (7 \times 10^{-9})$

Expanded to Standard Form With Decimals (I) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(1 \times 10^0) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-6}) + (1 \times 10^{-7}) + (7 \times 10^{-8}) + (5 \times 10^{-9})$

1.035502175

2. $(9 \times 10^0) + (5 \times 10^{-1}) + (5 \times 10^{-2}) + (6 \times 10^{-3}) + (4 \times 10^{-4}) + (6 \times 10^{-5}) + (9 \times 10^{-6}) + (8 \times 10^{-7}) + (4 \times 10^{-8}) + (8 \times 10^{-9})$

9.556469848

3. $(4 \times 10^0) + (7 \times 10^{-1}) + (7 \times 10^{-2}) + (1 \times 10^{-4}) + (6 \times 10^{-5}) + (5 \times 10^{-6}) + (3 \times 10^{-7}) + (5 \times 10^{-9})$

4.770165305

4. $(1 \times 10^0) + (2 \times 10^{-1}) + (7 \times 10^{-2}) + (9 \times 10^{-3}) + (3 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (4 \times 10^{-7}) + (1 \times 10^{-8}) + (2 \times 10^{-9})$

1.279344412

5. $(3 \times 10^0) + (5 \times 10^{-1}) + (4 \times 10^{-2}) + (8 \times 10^{-3}) + (8 \times 10^{-4}) + (4 \times 10^{-5}) + (9 \times 10^{-6}) + (5 \times 10^{-7}) + (6 \times 10^{-9})$

3.548849506

6. $(6 \times 10^0) + (4 \times 10^{-1}) + (1 \times 10^{-2}) + (7 \times 10^{-3}) + (8 \times 10^{-4}) + (9 \times 10^{-5}) + (1 \times 10^{-6}) + (4 \times 10^{-7}) + (8 \times 10^{-8}) + (8 \times 10^{-9})$

6.417891488

7. $(5 \times 10^0) + (5 \times 10^{-1}) + (9 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-5}) + (7 \times 10^{-6}) + (2 \times 10^{-7}) + (2 \times 10^{-8}) + (6 \times 10^{-9})$

5.597057226

8. $(8 \times 10^0) + (4 \times 10^{-1}) + (6 \times 10^{-2}) + (7 \times 10^{-3}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (5 \times 10^{-8}) + (9 \times 10^{-9})$

8.467528659

9. $(8 \times 10^0) + (4 \times 10^{-1}) + (7 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (4 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (2 \times 10^{-9})$

8.473444502

10. $(8 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (9 \times 10^{-4}) + (3 \times 10^{-5}) + (5 \times 10^{-6}) + (4 \times 10^{-8}) + (7 \times 10^{-9})$

8.627935047

Expanded to Standard Form With Decimals (J)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

- $(3 \times 10^0) + (7 \times 10^{-2}) + (4 \times 10^{-3}) + (5 \times 10^{-4}) + (9 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-8}) + (2 \times 10^{-9})$
- $(5 \times 10^0) + (6 \times 10^{-1}) + (8 \times 10^{-2}) + (5 \times 10^{-3}) + (7 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (4 \times 10^{-8}) + (5 \times 10^{-9})$
- $(7 \times 10^0) + (7 \times 10^{-1}) + (6 \times 10^{-2}) + (2 \times 10^{-3}) + (3 \times 10^{-4}) + (7 \times 10^{-5}) + (3 \times 10^{-6}) + (6 \times 10^{-7}) + (1 \times 10^{-9})$
- $(5 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (1 \times 10^{-3}) + (2 \times 10^{-4}) + (6 \times 10^{-5}) + (2 \times 10^{-6}) + (9 \times 10^{-7}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$
- $(1 \times 10^0) + (1 \times 10^{-1}) + (3 \times 10^{-2}) + (2 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$
- $(4 \times 10^0) + (2 \times 10^{-1}) + (2 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (9 \times 10^{-5}) + (7 \times 10^{-6}) + (6 \times 10^{-7}) + (6 \times 10^{-8}) + (2 \times 10^{-9})$
- $(4 \times 10^0) + (9 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-3}) + (1 \times 10^{-5}) + (3 \times 10^{-6}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (6 \times 10^{-9})$
- $(8 \times 10^0) + (3 \times 10^{-1}) + (2 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (1 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (1 \times 10^{-8}) + (8 \times 10^{-9})$
- $(6 \times 10^0) + (8 \times 10^{-1}) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (7 \times 10^{-9})$
- $(4 \times 10^0) + (7 \times 10^{-1}) + (1 \times 10^{-2}) + (6 \times 10^{-4}) + (5 \times 10^{-5}) + (8 \times 10^{-6}) + (7 \times 10^{-7}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$

Expanded to Standard Form With Decimals (J) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(3 \times 10^0) + (7 \times 10^{-2}) + (4 \times 10^{-3}) + (5 \times 10^{-4}) + (9 \times 10^{-5}) + (8 \times 10^{-6}) + (6 \times 10^{-7}) + (7 \times 10^{-8}) + (2 \times 10^{-9})$

3.074598672

2. $(5 \times 10^0) + (6 \times 10^{-1}) + (8 \times 10^{-2}) + (5 \times 10^{-3}) + (7 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (4 \times 10^{-7}) + (4 \times 10^{-8}) + (5 \times 10^{-9})$

5.685726445

3. $(7 \times 10^0) + (7 \times 10^{-1}) + (6 \times 10^{-2}) + (2 \times 10^{-3}) + (3 \times 10^{-4}) + (7 \times 10^{-5}) + (3 \times 10^{-6}) + (6 \times 10^{-7}) + (1 \times 10^{-9})$

7.762373601

4. $(5 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (1 \times 10^{-3}) + (2 \times 10^{-4}) + (6 \times 10^{-5}) + (2 \times 10^{-6}) + (9 \times 10^{-7}) + (5 \times 10^{-8}) + (5 \times 10^{-9})$

5.261262955

5. $(1 \times 10^0) + (1 \times 10^{-1}) + (3 \times 10^{-2}) + (2 \times 10^{-3}) + (1 \times 10^{-4}) + (8 \times 10^{-5}) + (6 \times 10^{-6}) + (7 \times 10^{-7}) + (5 \times 10^{-8}) + (7 \times 10^{-9})$

1.132186757

6. $(4 \times 10^0) + (2 \times 10^{-1}) + (2 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (9 \times 10^{-5}) + (7 \times 10^{-6}) + (6 \times 10^{-7}) + (6 \times 10^{-8}) + (2 \times 10^{-9})$

4.225297662

7. $(4 \times 10^0) + (9 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-3}) + (1 \times 10^{-5}) + (3 \times 10^{-6}) + (3 \times 10^{-7}) + (1 \times 10^{-8}) + (6 \times 10^{-9})$

4.954013316

8. $(8 \times 10^0) + (3 \times 10^{-1}) + (2 \times 10^{-2}) + (2 \times 10^{-3}) + (8 \times 10^{-4}) + (1 \times 10^{-5}) + (4 \times 10^{-6}) + (5 \times 10^{-7}) + (1 \times 10^{-8}) + (8 \times 10^{-9})$

8.322814518

9. $(6 \times 10^0) + (8 \times 10^{-1}) + (3 \times 10^{-2}) + (5 \times 10^{-3}) + (2 \times 10^{-4}) + (2 \times 10^{-5}) + (6 \times 10^{-6}) + (2 \times 10^{-7}) + (7 \times 10^{-9})$

6.835226207

10. $(4 \times 10^0) + (7 \times 10^{-1}) + (1 \times 10^{-2}) + (6 \times 10^{-4}) + (5 \times 10^{-5}) + (8 \times 10^{-6}) + (7 \times 10^{-7}) + (3 \times 10^{-8}) + (5 \times 10^{-9})$

4.710658735