

Expanded to Standard Form With Decimals (A)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

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

Expanded to Standard Form With Decimals (A) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

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

3.58273683

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

4.63032785

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

9.49118309

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

8.20104394

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

4.43099418

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

2.69615632

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

5.75398067

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

6.53471596

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

1.13397818

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

6.02054735