

## 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**