

## 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**