

## Expanded to Standard Form With Decimals (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(6 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (8 \times 0.001) + (8 \times 0.0001) + (8 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$
- $(7 \times 1) + (8 \times 0.01) + (3 \times 0.001) + (5 \times 0.0001) + (9 \times 0.00001) + (4 \times 0.000001) + (9 \times 0.0000001)$
- $(6 \times 1) + (7 \times 0.1) + (6 \times 0.01) + (6 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (5 \times 0.000001) + (1 \times 0.0000001)$
- $(6 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (9 \times 0.001) + (2 \times 0.0001) + (2 \times 0.00001) + (3 \times 0.000001)$
- $(3 \times 1) + (5 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.000001)$
- $(2 \times 1) + (6 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (4 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$
- $(1 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (7 \times 0.00001) + (8 \times 0.000001)$
- $(5 \times 1) + (9 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (5 \times 0.0001) + (4 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$
- $(6 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (6 \times 0.001) + (5 \times 0.0001) + (2 \times 0.00001) + (7 \times 0.000001)$
- $(1 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (4 \times 0.00001) + (1 \times 0.000001) + (1 \times 0.0000001)$

## Expanded to Standard Form With Decimals (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(6 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (8 \times 0.001) + (8 \times 0.0001) + (8 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$

**6.3888882**

2.  $(7 \times 1) + (8 \times 0.01) + (3 \times 0.001) + (5 \times 0.0001) + (9 \times 0.00001) + (4 \times 0.000001) + (9 \times 0.0000001)$

**7.0835949**

3.  $(6 \times 1) + (7 \times 0.1) + (6 \times 0.01) + (6 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (5 \times 0.000001) + (1 \times 0.0000001)$

**6.7668351**

4.  $(6 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (9 \times 0.001) + (2 \times 0.0001) + (2 \times 0.00001) + (3 \times 0.000001)$

**6.3892203**

5.  $(3 \times 1) + (5 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.000001)$

**3.5648034**

6.  $(2 \times 1) + (6 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (4 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$

**2.6861427**

7.  $(1 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (7 \times 0.00001) + (8 \times 0.000001)$

**1.2156708**

8.  $(5 \times 1) + (9 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (5 \times 0.0001) + (4 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$

**5.9915491**

9.  $(6 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (6 \times 0.001) + (5 \times 0.0001) + (2 \times 0.00001) + (7 \times 0.000001)$

**6.1165207**

10.  $(1 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (4 \times 0.00001) + (1 \times 0.000001) + (1 \times 0.0000001)$

**1.5136411**

## Expanded to Standard Form With Decimals (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(3 \times 1) + (4 \times 0.1) + (4 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (1 \times 0.000001) + (2 \times 0.0000001)$
- $(2 \times 1) + (2 \times 0.1) + (1 \times 0.001) + (3 \times 0.0001) + (7 \times 0.00001) + (9 \times 0.000001) + (9 \times 0.0000001)$
- $(1 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (1 \times 0.001) + (2 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$
- $(1 \times 1) + (4 \times 0.1) + (9 \times 0.01) + (7 \times 0.001) + (9 \times 0.0001) + (8 \times 0.00001) + (9 \times 0.000001) + (9 \times 0.0000001)$
- $(5 \times 1) + (5 \times 0.1) + (7 \times 0.01) + (9 \times 0.001) + (9 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.000001) + (4 \times 0.0000001)$
- $(4 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (7 \times 0.001) + (3 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (1 \times 0.0000001)$
- $(3 \times 1) + (4 \times 0.1) + (1 \times 0.01) + (3 \times 0.0001) + (3 \times 0.00001) + (6 \times 0.000001) + (1 \times 0.0000001)$
- $(2 \times 1) + (2 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001) + (3 \times 0.000001) + (9 \times 0.0000001)$
- $(3 \times 1) + (3 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (6 \times 0.0000001)$
- $(4 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (7 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (7 \times 0.000001) + (1 \times 0.0000001)$

## Expanded to Standard Form With Decimals (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(3 \times 1) + (4 \times 0.1) + (4 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (1 \times 0.000001) + (2 \times 0.0000001)$

**3.4437612**

2.  $(2 \times 1) + (2 \times 0.1) + (1 \times 0.001) + (3 \times 0.0001) + (7 \times 0.00001) + (9 \times 0.000001) + (9 \times 0.0000001)$

**2.2013799**

3.  $(1 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (1 \times 0.001) + (2 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$

**1.9512227**

4.  $(1 \times 1) + (4 \times 0.1) + (9 \times 0.01) + (7 \times 0.001) + (9 \times 0.0001) + (8 \times 0.00001) + (9 \times 0.000001) + (9 \times 0.0000001)$

**1.4979899**

5.  $(5 \times 1) + (5 \times 0.1) + (7 \times 0.01) + (9 \times 0.001) + (9 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.000001) + (4 \times 0.0000001)$

**5.5799224**

6.  $(4 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (7 \times 0.001) + (3 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (1 \times 0.0000001)$

**4.2873251**

7.  $(3 \times 1) + (4 \times 0.1) + (1 \times 0.01) + (3 \times 0.0001) + (3 \times 0.00001) + (6 \times 0.000001) + (1 \times 0.0000001)$

**3.4103361**

8.  $(2 \times 1) + (2 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001) + (3 \times 0.000001) + (9 \times 0.0000001)$

**2.2322839**

9.  $(3 \times 1) + (3 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (6 \times 0.0000001)$

**3.3748376**

10.  $(4 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (7 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (7 \times 0.000001) + (1 \times 0.0000001)$

**4.9774471**

## Expanded to Standard Form With Decimals (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(4 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.000001) + (8 \times 0.0000001)$
- $(4 \times 1) + (5 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (3 \times 0.00001) + (1 \times 0.000001) + (2 \times 0.0000001)$
- $(2 \times 1) + (2 \times 0.1) + (5 \times 0.001) + (1 \times 0.0001) + (4 \times 0.00001) + (6 \times 0.000001) + (3 \times 0.0000001)$
- $(4 \times 1) + (1 \times 0.1) + (4 \times 0.01) + (9 \times 0.0001) + (1 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$
- $(3 \times 1) + (5 \times 0.1) + (3 \times 0.01) + (1 \times 0.001) + (6 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$
- $(7 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (8 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (3 \times 0.000001) + (3 \times 0.0000001)$
- $(5 \times 1) + (8 \times 0.1) + (3 \times 0.01) + (7 \times 0.0001) + (7 \times 0.00001) + (5 \times 0.000001) + (3 \times 0.0000001)$
- $(8 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (5 \times 0.001) + (5 \times 0.0001) + (8 \times 0.00001) + (9 \times 0.000001) + (3 \times 0.0000001)$
- $(8 \times 1) + (5 \times 0.1) + (5 \times 0.01) + (2 \times 0.001) + (8 \times 0.0001) + (9 \times 0.00001) + (1 \times 0.000001) + (1 \times 0.0000001)$
- $(3 \times 1) + (8 \times 0.1) + (9 \times 0.01) + (3 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (9 \times 0.000001) + (8 \times 0.0000001)$

## Expanded to Standard Form With Decimals (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(4 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.000001) + (8 \times 0.0000001)$

**4.7149438**

2.  $(4 \times 1) + (5 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (3 \times 0.00001) + (1 \times 0.000001) + (2 \times 0.0000001)$

**4.5910312**

3.  $(2 \times 1) + (2 \times 0.1) + (5 \times 0.001) + (1 \times 0.0001) + (4 \times 0.00001) + (6 \times 0.000001) + (3 \times 0.0000001)$

**2.2051463**

4.  $(4 \times 1) + (1 \times 0.1) + (4 \times 0.01) + (9 \times 0.0001) + (1 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$

**4.1409191**

5.  $(3 \times 1) + (5 \times 0.1) + (3 \times 0.01) + (1 \times 0.001) + (6 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$

**3.5310667**

6.  $(7 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (8 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (3 \times 0.000001) + (3 \times 0.0000001)$

**7.7989733**

7.  $(5 \times 1) + (8 \times 0.1) + (3 \times 0.01) + (7 \times 0.0001) + (7 \times 0.00001) + (5 \times 0.000001) + (3 \times 0.0000001)$

**5.8307753**

8.  $(8 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (5 \times 0.001) + (5 \times 0.0001) + (8 \times 0.00001) + (9 \times 0.000001) + (3 \times 0.0000001)$

**8.9255893**

9.  $(8 \times 1) + (5 \times 0.1) + (5 \times 0.01) + (2 \times 0.001) + (8 \times 0.0001) + (9 \times 0.00001) + (1 \times 0.000001) + (1 \times 0.0000001)$

**8.5528911**

10.  $(3 \times 1) + (8 \times 0.1) + (9 \times 0.01) + (3 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (9 \times 0.000001) + (8 \times 0.0000001)$

**3.8939798**

## Expanded to Standard Form With Decimals (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(4 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (1 \times 0.00001) + (8 \times 0.000001) + (1 \times 0.0000001)$
- $(9 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (2 \times 0.001) + (1 \times 0.0001) + (7 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (7 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.000001) + (5 \times 0.0000001)$
- $(6 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (2 \times 0.0000001)$
- $(1 \times 1) + (3 \times 0.01) + (5 \times 0.0001) + (8 \times 0.00001) + (8 \times 0.000001) + (5 \times 0.0000001)$
- $(4 \times 1) + (6 \times 0.1) + (4 \times 0.01) + (8 \times 0.001) + (7 \times 0.0001) + (3 \times 0.00001) + (1 \times 0.000001) + (7 \times 0.0000001)$
- $(5 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (1 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (9 \times 0.0000001)$
- $(5 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (7 \times 0.001) + (6 \times 0.0001) + (4 \times 0.000001) + (3 \times 0.0000001)$
- $(5 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (1 \times 0.001) + (2 \times 0.0001) + (7 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

## Expanded to Standard Form With Decimals (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(4 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (1 \times 0.00001) + (8 \times 0.000001) + (1 \times 0.0000001)$

**4.7949181**

2.  $(9 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (2 \times 0.001) + (1 \times 0.0001) + (7 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$

**9.8221746**

3.  $(7 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$

**7.2156146**

4.  $(7 \times 1) + (7 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.000001) + (5 \times 0.0000001)$

**7.7324435**

5.  $(6 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (2 \times 0.0000001)$

**6.9747622**

6.  $(1 \times 1) + (3 \times 0.01) + (5 \times 0.0001) + (8 \times 0.00001) + (8 \times 0.000001) + (5 \times 0.0000001)$

**1.0305885**

7.  $(4 \times 1) + (6 \times 0.1) + (4 \times 0.01) + (8 \times 0.001) + (7 \times 0.0001) + (3 \times 0.00001) + (1 \times 0.000001) + (7 \times 0.0000001)$

**4.6487317**

8.  $(5 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (1 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (9 \times 0.0000001)$

**5.3801259**

9.  $(5 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (7 \times 0.001) + (6 \times 0.0001) + (4 \times 0.000001) + (3 \times 0.0000001)$

**5.9276043**

10.  $(5 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (1 \times 0.001) + (2 \times 0.0001) + (7 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

**5.2112726**



## Expanded to Standard Form With Decimals (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(5 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (6 \times 0.001) + (8 \times 0.0001) + (8 \times 0.00001) + (4 \times 0.0000001)$
- $(7 \times 1) + (4 \times 0.1) + (9 \times 0.01) + (5 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (6 \times 0.0000001) + (5 \times 0.00000001)$
- $(7 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (8 \times 0.001) + (5 \times 0.0001) + (1 \times 0.00001) + (1 \times 0.0000001) + (3 \times 0.00000001)$
- $(8 \times 1) + (1 \times 0.01) + (9 \times 0.001) + (2 \times 0.0001) + (8 \times 0.000001) + (6 \times 0.0000001)$
- $(8 \times 1) + (4 \times 0.01) + (9 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (1 \times 0.000001) + (7 \times 0.0000001)$
- $(6 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (9 \times 0.000001) + (5 \times 0.0000001)$
- $(7 \times 1) + (9 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (1 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (7 \times 0.0000001)$
- $(5 \times 1) + (9 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (8 \times 0.000001) + (9 \times 0.0000001)$
- $(1 \times 1) + (3 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (9 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$
- $(2 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (5 \times 0.00001) + (9 \times 0.000001) + (7 \times 0.0000001)$

## Expanded to Standard Form With Decimals (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(5 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (6 \times 0.001) + (8 \times 0.0001) + (8 \times 0.00001) + (4 \times 0.0000001)$

**5.9568804**

2.  $(7 \times 1) + (4 \times 0.1) + (9 \times 0.01) + (5 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (6 \times 0.0000001) + (5 \times 0.00000001)$

**7.4959765**

3.  $(7 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (8 \times 0.001) + (5 \times 0.0001) + (1 \times 0.00001) + (1 \times 0.0000001) + (3 \times 0.00000001)$

**7.5185113**

4.  $(8 \times 1) + (1 \times 0.01) + (9 \times 0.001) + (2 \times 0.0001) + (8 \times 0.000001) + (6 \times 0.0000001)$

**8.0192086**

5.  $(8 \times 1) + (4 \times 0.01) + (9 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (1 \times 0.000001) + (7 \times 0.0000001)$

**8.0498217**

6.  $(6 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (9 \times 0.000001) + (5 \times 0.0000001)$

**6.1237695**

7.  $(7 \times 1) + (9 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (1 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (7 \times 0.0000001)$

**7.9421377**

8.  $(5 \times 1) + (9 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (8 \times 0.000001) + (9 \times 0.0000001)$

**5.9151989**

9.  $(1 \times 1) + (3 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (9 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

**1.3329626**

10.  $(2 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (5 \times 0.00001) + (9 \times 0.000001) + (7 \times 0.0000001)$

**2.5157597**

## Expanded to Standard Form With Decimals (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(7 \times 1) + (5 \times 0.1) + (9 \times 0.01) + (9 \times 0.001) + (5 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (3 \times 0.1) + (1 \times 0.01) + (3 \times 0.001) + (3 \times 0.0001) + (1 \times 0.00001) + (3 \times 0.000001) + (1 \times 0.0000001)$
- $(9 \times 1) + (1 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (1 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$
- $(4 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$
- $(3 \times 1) + (1 \times 0.1) + (9 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (7 \times 0.00001) + (8 \times 0.000001) + (6 \times 0.0000001)$
- $(4 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (7 \times 0.001) + (9 \times 0.0001) + (7 \times 0.000001) + (8 \times 0.0000001)$
- $(1 \times 1) + (1 \times 0.1) + (6 \times 0.01) + (5 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$
- $(5 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (9 \times 0.0000001)$
- $(7 \times 1) + (2 \times 0.1) + (6 \times 0.01) + (7 \times 0.001) + (8 \times 0.0001) + (5 \times 0.00001) + (9 \times 0.000001) + (8 \times 0.0000001)$
- $(7 \times 1) + (6 \times 0.01) + (1 \times 0.001) + (5 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (1 \times 0.0000001)$

## Expanded to Standard Form With Decimals (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(7 \times 1) + (5 \times 0.1) + (9 \times 0.01) + (9 \times 0.001) + (5 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$

**7.5990546**

2.  $(7 \times 1) + (3 \times 0.1) + (1 \times 0.01) + (3 \times 0.001) + (3 \times 0.0001) + (1 \times 0.00001) + (3 \times 0.000001) + (1 \times 0.0000001)$

**7.3133131**

3.  $(9 \times 1) + (1 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (1 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$

**9.1330167**

4.  $(4 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.000001) + (6 \times 0.0000001)$

**4.9748246**

5.  $(3 \times 1) + (1 \times 0.1) + (9 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (7 \times 0.00001) + (8 \times 0.000001) + (6 \times 0.0000001)$

**3.1936786**

6.  $(4 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (7 \times 0.001) + (9 \times 0.0001) + (7 \times 0.000001) + (8 \times 0.0000001)$

**4.6979078**

7.  $(1 \times 1) + (1 \times 0.1) + (6 \times 0.01) + (5 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

**1.1654426**

8.  $(5 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (5 \times 0.001) + (6 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (9 \times 0.0000001)$

**5.7956259**

9.  $(7 \times 1) + (2 \times 0.1) + (6 \times 0.01) + (7 \times 0.001) + (8 \times 0.0001) + (5 \times 0.00001) + (9 \times 0.000001) + (8 \times 0.0000001)$

**7.2678598**

10.  $(7 \times 1) + (6 \times 0.01) + (1 \times 0.001) + (5 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (1 \times 0.0000001)$

**7.0615821**

## Expanded to Standard Form With Decimals (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(2 \times 1) + (5 \times 0.1) + (3 \times 0.01) + (4 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (4 \times 0.000001) + (7 \times 0.0000001)$
- $(8 \times 1) + (5 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (3 \times 0.00001) + (8 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (3 \times 0.1) + (9 \times 0.001) + (9 \times 0.0001) + (5 \times 0.00001) + (3 \times 0.000001) + (7 \times 0.0000001)$
- $(7 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (6 \times 0.0001) + (8 \times 0.00001) + (3 \times 0.000001) + (1 \times 0.0000001)$
- $(3 \times 1) + (9 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (3 \times 0.0001) + (6 \times 0.00001) + (8 \times 0.0000001)$
- $(3 \times 1) + (9 \times 0.1) + (3 \times 0.01) + (7 \times 0.001) + (6 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.000001) + (2 \times 0.0000001)$
- $(8 \times 1) + (5 \times 0.1) + (5 \times 0.01) + (1 \times 0.001) + (8 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.0000001)$
- $(7 \times 1) + (3 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001) + (5 \times 0.000001) + (6 \times 0.0000001)$
- $(3 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (9 \times 0.001) + (6 \times 0.0001) + (6 \times 0.00001) + (6 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.0000001)$

## Expanded to Standard Form With Decimals (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(2 \times 1) + (5 \times 0.1) + (3 \times 0.01) + (4 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (4 \times 0.000001) + (7 \times 0.0000001)$

**2.5345647**

2.  $(8 \times 1) + (5 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (3 \times 0.00001) + (8 \times 0.000001) + (6 \times 0.0000001)$

**8.0547386**

3.  $(7 \times 1) + (3 \times 0.1) + (9 \times 0.001) + (9 \times 0.0001) + (5 \times 0.00001) + (3 \times 0.000001) + (7 \times 0.0000001)$

**7.3099537**

4.  $(7 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (6 \times 0.0001) + (8 \times 0.00001) + (3 \times 0.000001) + (1 \times 0.0000001)$

**7.6916831**

5.  $(3 \times 1) + (9 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (3 \times 0.0001) + (6 \times 0.00001) + (8 \times 0.0000001)$

**3.9333608**

6.  $(3 \times 1) + (9 \times 0.1) + (3 \times 0.01) + (7 \times 0.001) + (6 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.000001) + (2 \times 0.0000001)$

**3.9376242**

7.  $(8 \times 1) + (5 \times 0.1) + (5 \times 0.01) + (1 \times 0.001) + (8 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.0000001)$

**8.5518104**

8.  $(7 \times 1) + (3 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001) + (5 \times 0.000001) + (6 \times 0.0000001)$

**7.3642856**

9.  $(3 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (9 \times 0.001) + (6 \times 0.0001) + (6 \times 0.00001) + (6 \times 0.000001) + (6 \times 0.0000001)$

**3.9796666**

10.  $(7 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.0000001)$

**7.9261304**

## Expanded to Standard Form With Decimals (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(6 \times 1) + (6 \times 0.1) + (1 \times 0.01) + (5 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$

2.  $(3 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (7 \times 0.001) + (1 \times 0.0001) + (6 \times 0.00001) + (1 \times 0.000001) + (4 \times 0.0000001)$

3.  $(2 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (8 \times 0.00001) + (4 \times 0.000001) + (3 \times 0.0000001)$

4.  $(4 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (7 \times 0.000001) + (8 \times 0.0000001)$

5.  $(1 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (6 \times 0.001) + (6 \times 0.0001) + (2 \times 0.000001) + (3 \times 0.0000001)$

6.  $(5 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (4 \times 0.00001) + (4 \times 0.000001) + (4 \times 0.0000001)$

7.  $(1 \times 1) + (8 \times 0.1) + (5 \times 0.01) + (2 \times 0.001) + (6 \times 0.0001) + (5 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$

8.  $(9 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (5 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (9 \times 0.0000001)$

9.  $(4 \times 1) + (5 \times 0.1) + (2 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (4 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$

10.  $(4 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (8 \times 0.001) + (3 \times 0.0001) + (4 \times 0.000001) + (3 \times 0.0000001)$

## Expanded to Standard Form With Decimals (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(6 \times 1) + (6 \times 0.1) + (1 \times 0.01) + (5 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (7 \times 0.0000001)$

**6.6105827**

2.  $(3 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (7 \times 0.001) + (1 \times 0.0001) + (6 \times 0.00001) + (1 \times 0.000001) + (4 \times 0.0000001)$

**3.4771614**

3.  $(2 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (3 \times 0.001) + (6 \times 0.0001) + (8 \times 0.00001) + (4 \times 0.000001) + (3 \times 0.0000001)$

**2.2836843**

4.  $(4 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (7 \times 0.000001) + (8 \times 0.0000001)$

**4.2861078**

5.  $(1 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (6 \times 0.001) + (6 \times 0.0001) + (2 \times 0.000001) + (3 \times 0.0000001)$

**1.8266023**

6.  $(5 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (3 \times 0.001) + (7 \times 0.0001) + (4 \times 0.00001) + (4 \times 0.000001) + (4 \times 0.0000001)$

**5.1237444**

7.  $(1 \times 1) + (8 \times 0.1) + (5 \times 0.01) + (2 \times 0.001) + (6 \times 0.0001) + (5 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$

**1.8526582**

8.  $(9 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (5 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (9 \times 0.0000001)$

**9.9755609**

9.  $(4 \times 1) + (5 \times 0.1) + (2 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (4 \times 0.00001) + (9 \times 0.000001) + (1 \times 0.0000001)$

**4.5249491**

10.  $(4 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (8 \times 0.001) + (3 \times 0.0001) + (4 \times 0.000001) + (3 \times 0.0000001)$

**4.4783043**



## Expanded to Standard Form With Decimals (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(2 \times 1) + (1 \times 0.1) + (7 \times 0.01) + (1 \times 0.001) + (9 \times 0.0001) + (2 \times 0.00001) + (9 \times 0.000001) + (2 \times 0.0000001)$

2.  $(9 \times 1) + (4 \times 0.1) + (7 \times 0.001) + (9 \times 0.0001) + (4 \times 0.0000001)$

3.  $(4 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (7 \times 0.0001) + (5 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$

4.  $(9 \times 1) + (4 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (3 \times 0.000001) + (8 \times 0.0000001)$

5.  $(1 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (8 \times 0.0001) + (8 \times 0.00001) + (5 \times 0.000001) + (6 \times 0.0000001)$

6.  $(2 \times 1) + (2 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (8 \times 0.0000001)$

7.  $(8 \times 1) + (7 \times 0.1) + (5 \times 0.01) + (8 \times 0.0001) + (7 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

8.  $(6 \times 1) + (6 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$

9.  $(4 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (1 \times 0.001) + (6 \times 0.0001) + (5 \times 0.00001) + (7 \times 0.000001) + (5 \times 0.0000001)$

10.  $(9 \times 1) + (3 \times 0.1) + (6 \times 0.01) + (1 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (6 \times 0.0000001)$

## Expanded to Standard Form With Decimals (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(2 \times 1) + (1 \times 0.1) + (7 \times 0.01) + (1 \times 0.001) + (9 \times 0.0001) + (2 \times 0.00001) + (9 \times 0.000001) + (2 \times 0.0000001)$

**2.1719292**

2.  $(9 \times 1) + (4 \times 0.1) + (7 \times 0.001) + (9 \times 0.0001) + (4 \times 0.0000001)$

**9.4079004**

3.  $(4 \times 1) + (9 \times 0.1) + (5 \times 0.01) + (7 \times 0.0001) + (5 \times 0.00001) + (6 \times 0.000001) + (7 \times 0.0000001)$

**4.9507567**

4.  $(9 \times 1) + (4 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (3 \times 0.000001) + (8 \times 0.0000001)$

**9.4157638**

5.  $(1 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (8 \times 0.0001) + (8 \times 0.00001) + (5 \times 0.000001) + (6 \times 0.0000001)$

**1.1108856**

6.  $(2 \times 1) + (2 \times 0.1) + (3 \times 0.01) + (2 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (2 \times 0.000001) + (8 \times 0.0000001)$

**2.2325628**

7.  $(8 \times 1) + (7 \times 0.1) + (5 \times 0.01) + (8 \times 0.0001) + (7 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001)$

**8.7508726**

8.  $(6 \times 1) + (6 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001) + (8 \times 0.000001) + (2 \times 0.0000001)$

**6.6427682**

9.  $(4 \times 1) + (1 \times 0.1) + (2 \times 0.01) + (1 \times 0.001) + (6 \times 0.0001) + (5 \times 0.00001) + (7 \times 0.000001) + (5 \times 0.0000001)$

**4.1216575**

10.  $(9 \times 1) + (3 \times 0.1) + (6 \times 0.01) + (1 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (6 \times 0.0000001)$

**9.3611906**

## Expanded to Standard Form With Decimals (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

- $(6 \times 1) + (4 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (1 \times 0.00001) + (8 \times 0.000001) + (9 \times 0.0000001)$
- $(3 \times 1) + (7 \times 0.1) + (2 \times 0.01) + (4 \times 0.001) + (2 \times 0.0001) + (4 \times 0.00001) + (5 \times 0.000001) + (7 \times 0.0000001)$
- $(5 \times 1) + (6 \times 0.1) + (2 \times 0.001) + (1 \times 0.0001) + (6 \times 0.00001) + (6 \times 0.000001) + (8 \times 0.0000001)$
- $(2 \times 1) + (8 \times 0.1) + (3 \times 0.01) + (5 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.0000001)$
- $(5 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (1 \times 0.001) + (4 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (5 \times 0.0000001)$
- $(6 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (2 \times 0.0001) + (1 \times 0.00001) + (6 \times 0.000001) + (3 \times 0.0000001)$
- $(9 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (5 \times 0.00001) + (7 \times 0.000001) + (6 \times 0.0000001)$
- $(7 \times 1) + (4 \times 0.1) + (8 \times 0.01) + (3 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (6 \times 0.000001) + (9 \times 0.0000001)$
- $(8 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (8 \times 0.000001) + (7 \times 0.0000001)$
- $(3 \times 1) + (1 \times 0.1) + (4 \times 0.01) + (4 \times 0.001) + (5 \times 0.0001) + (6 \times 0.000001) + (9 \times 0.0000001)$

## Expanded to Standard Form With Decimals (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each expanded factors form decimal number to standard form.

1.  $(6 \times 1) + (4 \times 0.1) + (3 \times 0.01) + (3 \times 0.001) + (1 \times 0.00001) + (8 \times 0.000001) + (9 \times 0.0000001)$   
**6.4330189**

2.  $(3 \times 1) + (7 \times 0.1) + (2 \times 0.01) + (4 \times 0.001) + (2 \times 0.0001) + (4 \times 0.00001) + (5 \times 0.000001) + (7 \times 0.0000001)$   
**3.7242457**

3.  $(5 \times 1) + (6 \times 0.1) + (2 \times 0.001) + (1 \times 0.0001) + (6 \times 0.00001) + (6 \times 0.000001) + (8 \times 0.0000001)$   
**5.6021668**

4.  $(2 \times 1) + (8 \times 0.1) + (3 \times 0.01) + (5 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.0000001)$   
**2.8305403**

5.  $(5 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (1 \times 0.001) + (4 \times 0.0001) + (8 \times 0.00001) + (2 \times 0.000001) + (5 \times 0.0000001)$   
**5.2114825**

6.  $(6 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (6 \times 0.001) + (2 \times 0.0001) + (1 \times 0.00001) + (6 \times 0.000001) + (3 \times 0.0000001)$   
**6.2862163**

7.  $(9 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (5 \times 0.00001) + (7 \times 0.000001) + (6 \times 0.0000001)$   
**9.1122576**

8.  $(7 \times 1) + (4 \times 0.1) + (8 \times 0.01) + (3 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (6 \times 0.000001) + (9 \times 0.0000001)$   
**7.4831969**

9.  $(8 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (8 \times 0.000001) + (7 \times 0.0000001)$   
**8.8257287**

10.  $(3 \times 1) + (1 \times 0.1) + (4 \times 0.01) + (4 \times 0.001) + (5 \times 0.0001) + (6 \times 0.000001) + (9 \times 0.0000001)$   
**3.1445069**