

## Expanded Factors Form With Decimals (A)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 5.18549

2. 8.60304

3. 2.51509

4. 7.93631

5. 8.38891

6. 1.20131

7. 7.13718

8. 5.78578

9. 7.74744

10. 2.41353

## Expanded Factors Form With Decimals (A) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **5.18549**

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

2. **8.60304**

$$(8 \times 1) + (6 \times 0.1) + (3 \times 0.001) + (4 \times 0.00001)$$

3. **2.51509**

$$(2 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (9 \times 0.00001)$$

4. **7.93631**

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

5. **8.38891**

$$(8 \times 1) + (3 \times 0.1) + (8 \times 0.01) + (8 \times 0.001) + (9 \times 0.0001) + (1 \times 0.00001)$$

6. **1.20131**

$$(1 \times 1) + (2 \times 0.1) + (1 \times 0.001) + (3 \times 0.0001) + (1 \times 0.00001)$$

7. **7.13718**

$$(7 \times 1) + (1 \times 0.1) + (3 \times 0.01) + (7 \times 0.001) + (1 \times 0.0001) + (8 \times 0.00001)$$

8. **5.78578**

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

9. **7.74744**

$$(7 \times 1) + (7 \times 0.1) + (4 \times 0.01) + (7 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001)$$

10. **2.41353**

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

## Expanded Factors Form With Decimals (B)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 4.89511

2. 1.24362

3. 8.23324

4. 1.45924

5. 9.14217

6. 8.80596

7. 6.99199

8. 4.96618

9. 8.45571

10. 2.37848

## Expanded Factors Form With Decimals (B) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **4.89511**

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

2. **1.24362**

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

3. **8.23324**

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

4. **1.45924**

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

5. **9.14217**

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

6. **8.80596**

$$(8 \times 1) + (8 \times 0.1) + (5 \times 0.001) + (9 \times 0.0001) + (6 \times 0.00001)$$

7. **6.99199**

$$(6 \times 1) + (9 \times 0.1) + (9 \times 0.01) + (1 \times 0.001) + (9 \times 0.0001) + (9 \times 0.00001)$$

8. **4.96618**

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

9. **8.45571**

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

10. **2.37848**

$$(2 \times 1) + (3 \times 0.1) + (7 \times 0.01) + (8 \times 0.001) + (4 \times 0.0001) + (8 \times 0.00001)$$

## Expanded Factors Form With Decimals (C)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 9.96793

2. 8.74393

3. 2.85785

4. 1.29566

5. 2.31758

6. 6.97529

7. 3.28095

8. 7.67476

9. 4.19748

10. 4.08242

## Expanded Factors Form With Decimals (C) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **9.96793**

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

2. **8.74393**

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

3. **2.85785**

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

4. **1.29566**

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

5. **2.31758**

$$(2 \times 1) + (3 \times 0.1) + (1 \times 0.01) + (7 \times 0.001) + (5 \times 0.0001) + (8 \times 0.00001)$$

6. **6.97529**

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

7. **3.28095**

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

8. **7.67476**

$$(7 \times 1) + (6 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (6 \times 0.00001)$$

9. **4.19748**

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

10. **4.08242**

$$(4 \times 1) + (8 \times 0.01) + (2 \times 0.001) + (4 \times 0.0001) + (2 \times 0.00001)$$

## Expanded Factors Form With Decimals (D)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 3.31969

2. 4.91664

3. 5.53829

4. 4.73169

5. 6.33658

6. 3.13681

7. 8.16018

8. 8.20986

9. 5.31703

10. 7.29643

## Expanded Factors Form With Decimals (D) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **3.31969**

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

2. **4.91664**

$$(4 \times 1) + (9 \times 0.1) + (1 \times 0.01) + (6 \times 0.001) + (6 \times 0.0001) + (4 \times 0.00001)$$

3. **5.53829**

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

4. **4.73169**

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

5. **6.33658**

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

6. **3.13681**

$$(3 \times 1) + (1 \times 0.1) + (3 \times 0.01) + (6 \times 0.001) + (8 \times 0.0001) + (1 \times 0.00001)$$

7. **8.16018**

$$(8 \times 1) + (1 \times 0.1) + (6 \times 0.01) + (1 \times 0.0001) + (8 \times 0.00001)$$

8. **8.20986**

$$(8 \times 1) + (2 \times 0.1) + (9 \times 0.001) + (8 \times 0.0001) + (6 \times 0.00001)$$

9. **5.31703**

$$(5 \times 1) + (3 \times 0.1) + (1 \times 0.01) + (7 \times 0.001) + (3 \times 0.00001)$$

10. **7.29643**

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



## Expanded Factors Form With Decimals (E)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 9.47389

2. 3.56268

3. 6.53988

4. 6.47027

5. 1.59607

6. 3.68047

7. 7.16891

8. 8.35937

9. 1.57664

10. 6.77225

## Expanded Factors Form With Decimals (E) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **9.47389**

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

2. **3.56268**

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

3. **6.53988**

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

4. **6.47027**

$$(6 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (2 \times 0.0001) + (7 \times 0.00001)$$

5. **1.59607**

$$(1 \times 1) + (5 \times 0.1) + (9 \times 0.01) + (6 \times 0.001) + (7 \times 0.00001)$$

6. **3.68047**

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

7. **7.16891**

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

8. **8.35937**

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

9. **1.57664**

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

10. **6.77225**

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

## Expanded Factors Form With Decimals (F)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 2.36055

2. 6.46448

3. 5.83491

4. 4.67406

5. 2.11828

6. 4.97602

7. 7.79328

8. 3.01223

9. 2.45085

10. 7.84332

## Expanded Factors Form With Decimals (F) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **2.36055**

$$(2 \times 1) + (3 \times 0.1) + (6 \times 0.01) + (5 \times 0.0001) + (5 \times 0.00001)$$

2. **6.46448**

$$(6 \times 1) + (4 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (4 \times 0.0001) + (8 \times 0.00001)$$

3. **5.83491**

$$(5 \times 1) + (8 \times 0.1) + (3 \times 0.01) + (4 \times 0.001) + (9 \times 0.0001) + (1 \times 0.00001)$$

4. **4.67406**

$$(4 \times 1) + (6 \times 0.1) + (7 \times 0.01) + (4 \times 0.001) + (6 \times 0.00001)$$

5. **2.11828**

$$(2 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (8 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001)$$

6. **4.97602**

$$(4 \times 1) + (9 \times 0.1) + (7 \times 0.01) + (6 \times 0.001) + (2 \times 0.00001)$$

7. **7.79328**

$$(7 \times 1) + (7 \times 0.1) + (9 \times 0.01) + (3 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001)$$

8. **3.01223**

$$(3 \times 1) + (1 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (3 \times 0.00001)$$

9. **2.45085**

$$(2 \times 1) + (4 \times 0.1) + (5 \times 0.01) + (8 \times 0.0001) + (5 \times 0.00001)$$

10. **7.84332**

$$(7 \times 1) + (8 \times 0.1) + (4 \times 0.01) + (3 \times 0.001) + (3 \times 0.0001) + (2 \times 0.00001)$$

## Expanded Factors Form With Decimals (G)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 9.41633

2. 2.90444

3. 1.78849

4. 7.21645

5. 6.35284

6. 2.21796

7. 7.86902

8. 9.06615

9. 9.60993

10. 5.58173

## Expanded Factors Form With Decimals (G) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 9.41633

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

2. 2.90444

$$(2 \times 1) + (9 \times 0.1) + (4 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001)$$

3. 1.78849

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

4. 7.21645

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

5. 6.35284

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

6. 2.21796

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

7. 7.86902

$$(7 \times 1) + (8 \times 0.1) + (6 \times 0.01) + (9 \times 0.001) + (2 \times 0.00001)$$

8. 9.06615

$$(9 \times 1) + (6 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (5 \times 0.00001)$$

9. 9.60993

$$(9 \times 1) + (6 \times 0.1) + (9 \times 0.001) + (9 \times 0.0001) + (3 \times 0.00001)$$

10. 5.58173

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

## Expanded Factors Form With Decimals (H)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 9.76267

2. 1.11188

3. 8.96756

4. 4.81884

5. 2.77045

6. 2.27058

7. 7.77485

8. 9.29376

9. 6.72962

10. 5.68713

## Expanded Factors Form With Decimals (H) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **9.76267**

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

2. **1.11188**

$$(1 \times 1) + (1 \times 0.1) + (1 \times 0.01) + (1 \times 0.001) + (8 \times 0.0001) + (8 \times 0.00001)$$

3. **8.96756**

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

4. **4.81884**

$$(4 \times 1) + (8 \times 0.1) + (1 \times 0.01) + (8 \times 0.001) + (8 \times 0.0001) + (4 \times 0.00001)$$

5. **2.77045**

$$(2 \times 1) + (7 \times 0.1) + (7 \times 0.01) + (4 \times 0.0001) + (5 \times 0.00001)$$

6. **2.27058**

$$(2 \times 1) + (2 \times 0.1) + (7 \times 0.01) + (5 \times 0.0001) + (8 \times 0.00001)$$

7. **7.77485**

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

8. **9.29376**

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

9. **6.72962**

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

10. **5.68713**

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



## Expanded Factors Form With Decimals (I)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 1.15021

2. 7.47113

3. 6.05617

4. 4.73828

5. 4.86276

6. 4.34756

7. 5.93916

8. 2.35166

9. 5.09248

10. 6.65267

## Expanded Factors Form With Decimals (I) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **1.15021**

$$(1 \times 1) + (1 \times 0.1) + (5 \times 0.01) + (2 \times 0.0001) + (1 \times 0.00001)$$

2. **7.47113**

$$(7 \times 1) + (4 \times 0.1) + (7 \times 0.01) + (1 \times 0.001) + (1 \times 0.0001) + (3 \times 0.00001)$$

3. **6.05617**

$$(6 \times 1) + (5 \times 0.01) + (6 \times 0.001) + (1 \times 0.0001) + (7 \times 0.00001)$$

4. **4.73828**

$$(4 \times 1) + (7 \times 0.1) + (3 \times 0.01) + (8 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001)$$

5. **4.86276**

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

6. **4.34756**

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

7. **5.93916**

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

8. **2.35166**

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

9. **5.09248**

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

10. **6.65267**

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

## Expanded Factors Form With Decimals (J)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 2.70564
2. 9.70372
3. 8.92359
4. 7.43028
5. 9.59226
6. 6.34443
7. 1.75814
8. 6.30231
9. 2.25798
10. 4.60957

## Expanded Factors Form With Decimals (J) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **2.70564**

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

2. **9.70372**

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

3. **8.92359**

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

4. **7.43028**

$$(7 \times 1) + (4 \times 0.1) + (3 \times 0.01) + (2 \times 0.0001) + (8 \times 0.00001)$$

5. **9.59226**

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

6. **6.34443**

$$(6 \times 1) + (3 \times 0.1) + (4 \times 0.01) + (4 \times 0.001) + (4 \times 0.0001) + (3 \times 0.00001)$$

7. **1.75814**

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

8. **6.30231**

$$(6 \times 1) + (3 \times 0.1) + (2 \times 0.001) + (3 \times 0.0001) + (1 \times 0.00001)$$

9. **2.25798**

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

10. **4.60957**

$$(4 \times 1) + (6 \times 0.1) + (9 \times 0.001) + (5 \times 0.0001) + (7 \times 0.00001)$$