

Expanded Factors Form With Decimals (A)

Name: _____

Date: _____

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

1. 4.5187216

2. 5.0428095

3. 5.4887104

4. 3.1529974

5. 7.8734849

6. 9.8898919

7. 8.6982635

8. 9.0289274

9. 4.7471986

10. 2.3055596

Expanded Factors Form With Decimals (A) Answers

Name: _____

Date: _____

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

1. **4.5187216**

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

2. **5.0428095**

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

3. **5.4887104**

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

4. **3.1529974**

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

5. **7.8734849**

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

6. **9.8898919**

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

7. **8.6982635**

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

8. **9.0289274**

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

9. **4.7471986**

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

10. **2.3055596**

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

Expanded Factors Form With Decimals (B)

Name: _____

Date: _____

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

1. 2.4046089
2. 1.2028344
3. 1.6943247
4. 3.6407008
5. 1.7426629
6. 3.1188343
7. 9.2428794
8. 7.6020778
9. 6.4392997
10. 9.1518912

Expanded Factors Form With Decimals (B) Answers

Name: _____

Date: _____

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

1. **2.4046089**

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

2. **1.2028344**

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

3. **1.6943247**

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

4. **3.6407008**

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

5. **1.7426629**

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

6. **3.1188343**

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

7. **9.2428794**

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

8. **7.6020778**

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

9. **6.4392997**

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

10. **9.1518912**

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

Expanded Factors Form With Decimals (C)

Name: _____

Date: _____

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

1. 6.3775797

2. 5.8514543

3. 3.6873486

4. 9.2728281

5. 5.0869661

6. 2.1714549

7. 9.6610376

8. 7.8664079

9. 6.4044382

10. 8.2949462

Expanded Factors Form With Decimals (C) Answers

Name: _____

Date: _____

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

1. **6.3775797**

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

2. **5.8514543**

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

3. **3.6873486**

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

4. **9.2728281**

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

5. **5.0869661**

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

6. **2.1714549**

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

7. **9.6610376**

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

8. **7.8664079**

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

9. **6.4044382**

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

10. **8.2949462**

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

Expanded Factors Form With Decimals (D)

Name: _____

Date: _____

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

1. 1.7171511

2. 2.7281189

3. 7.0634873

4. 8.9089782

5. 1.6207217

6. 5.5549874

7. 6.0497187

8. 4.7241815

9. 4.1739223

10. 6.8869714

Expanded Factors Form With Decimals (D) Answers

Name: _____

Date: _____

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

1. **1.7171511**

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

2. **2.7281189**

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

3. **7.0634873**

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

4. **8.9089782**

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

5. **1.6207217**

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

6. **5.5549874**

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

7. **6.0497187**

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

8. **4.7241815**

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

9. **4.1739223**

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

10. **6.8869714**

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

Expanded Factors Form With Decimals (E)

Name: _____

Date: _____

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

1. 1.5017284

2. 6.0569664

3. 5.6732972

4. 8.4035739

5. 5.7724247

6. 8.3942351

7. 2.9469024

8. 3.1219388

9. 4.1438674

10. 1.6680128

Expanded Factors Form With Decimals (E) Answers

Name: _____

Date: _____

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

1. **1.5017284**

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

2. **6.0569664**

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

3. **5.6732972**

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

4. **8.4035739**

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

5. **5.7724247**

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

6. **8.3942351**

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

7. **2.9469024**

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

8. **3.1219388**

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

9. **4.1438674**

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

10. **1.6680128**

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

Expanded Factors Form With Decimals (F)

Name: _____

Date: _____

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

1. 5.0049707

2. 2.6093636

3. 1.0003179

4. 2.7231814

5. 1.2452343

6. 7.0527543

7. 4.3465803

8. 5.8969599

9. 7.4924775

10. 1.0372365

Expanded Factors Form With Decimals (F) Answers

Name: _____

Date: _____

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

1. **5.0049707**

$$(5 \times 1) + (4 \times 0.001) + (9 \times 0.0001) + (7 \times 0.00001) + (7 \times 0.0000001)$$

2. **2.6093636**

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

3. **1.0003179**

$$(1 \times 1) + (3 \times 0.0001) + (1 \times 0.00001) + (7 \times 0.000001) + (9 \times 0.0000001)$$

4. **2.7231814**

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

5. **1.2452343**

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

6. **7.0527543**

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

7. **4.3465803**

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

8. **5.8969599**

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

9. **7.4924775**

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

10. **1.0372365**

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

Expanded Factors Form With Decimals (G)

Name: _____

Date: _____

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

1. 9.1196809

2. 1.7122439

3. 8.4645913

4. 3.7195117

5. 5.5423348

6. 4.0578496

7. 7.3465328

8. 8.2414374

9. 3.0078202

10. 3.5157244

Expanded Factors Form With Decimals (G) Answers

Name: _____

Date: _____

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

1. **9.1196809**

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

2. **1.7122439**

$$(1 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.0000001) + (9 \times 0.00000001)$$

3. **8.4645913**

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

4. **3.7195117**

$$(3 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (9 \times 0.001) + (5 \times 0.0001) + (1 \times 0.00001) + (1 \times 0.0000001) + (7 \times 0.00000001)$$

5. **5.5423348**

$$(5 \times 1) + (5 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (3 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.0000001) + (8 \times 0.00000001)$$

6. **4.0578496**

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

7. **7.3465328**

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

8. **8.2414374**

$$(8 \times 1) + (2 \times 0.1) + (4 \times 0.01) + (1 \times 0.001) + (4 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.0000001) + (4 \times 0.00000001)$$

9. **3.0078202**

$$(3 \times 1) + (7 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.0000001)$$

10. **3.5157244**

$$(3 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.0000001) + (4 \times 0.00000001)$$

Expanded Factors Form With Decimals (H)

Name: _____

Date: _____

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

1. 7.8666973

2. 3.5920247

3. 1.7791199

4. 8.9220884

5. 8.8563763

6. 9.4247258

7. 7.6259378

8. 5.1785577

9. 7.1688696

10. 4.3308818

Expanded Factors Form With Decimals (H) Answers

Name: _____

Date: _____

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

1. **7.8666973**

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

2. **3.5920247**

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

3. **1.7791199**

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

4. **8.9220884**

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

5. **8.8563763**

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

6. **9.4247258**

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

7. **7.6259378**

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

8. **5.1785577**

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

9. **7.1688696**

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

10. **4.3308818**

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

Expanded Factors Form With Decimals (I)

Name: _____

Date: _____

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

1. 9.7189031

2. 7.3240109

3. 6.6450909

4. 6.9536603

5. 7.4736082

6. 6.9907542

7. 9.4468061

8. 8.3574035

9. 4.3940981

10. 4.6920201

Expanded Factors Form With Decimals (I) Answers

Name: _____

Date: _____

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

1. **9.7189031**

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

2. **7.3240109**

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

3. **6.6450909**

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

4. **6.9536603**

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

5. **7.4736082**

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

6. **6.9907542**

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

7. **9.4468061**

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

8. **8.3574035**

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

9. **4.3940981**

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

10. **4.6920201**

$$(4 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (2 \times 0.001) + (2 \times 0.00001) + (1 \times 0.0000001)$$

Expanded Factors Form With Decimals (J)

Name: _____

Date: _____

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

1. 8.5977536
2. 6.0085688
3. 6.2603988
4. 9.7372935
5. 7.3795237
6. 9.7683668
7. 4.0044455
8. 1.4025337
9. 2.9379518
10. 9.4721853

Expanded Factors Form With Decimals (J) Answers

Name: _____

Date: _____

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

1. **8.5977536**

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

2. **6.0085688**

$$(6 \times 1) + (8 \times 0.001) + (5 \times 0.0001) + (6 \times 0.00001) + (8 \times 0.000001) + (8 \times 0.0000001)$$

3. **6.2603988**

$$(6 \times 1) + (2 \times 0.1) + (6 \times 0.01) + (3 \times 0.0001) + (9 \times 0.00001) + (8 \times 0.000001) + (8 \times 0.0000001)$$

4. **9.7372935**

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

5. **7.3795237**

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

6. **9.7683668**

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

7. **4.0044455**

$$(4 \times 1) + (4 \times 0.001) + (4 \times 0.0001) + (4 \times 0.00001) + (5 \times 0.000001) + (5 \times 0.0000001)$$

8. **1.4025337**

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

9. **2.9379518**

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

10. **9.4721853**

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