

Expanded Form With Decimals (A)

Name: _____

Date: _____

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

1. 9.428471693
2. 2.937243885
3. 5.626986383
4. 8.701043494
5. 2.876988435
6. 8.206803361
7. 5.385570052
8. 8.391959237
9. 4.751748089
10. 3.054921994

Expanded Form With Decimals (A) Answers

Name: _____

Date: _____

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

1. 9.428471693

$$9 + 0.4 + 0.02 + 0.008 + 0.0004 + 0.00007 + 0.000001 + 0.0000006 + 0.00000009 + 0.000000003$$

2. 2.937243885

$$2 + 0.9 + 0.03 + 0.007 + 0.0002 + 0.00004 + 0.000003 + 0.0000008 + 0.00000008 + 0.000000005$$

3. 5.626986383

$$5 + 0.6 + 0.02 + 0.006 + 0.0009 + 0.00008 + 0.000006 + 0.0000003 + 0.00000008 + 0.000000003$$

4. 8.701043494

$$8 + 0.7 + 0.001 + 0.00004 + 0.000003 + 0.0000004 + 0.00000009 + 0.000000004$$

5. 2.876988435

$$2 + 0.8 + 0.07 + 0.006 + 0.0009 + 0.00008 + 0.000008 + 0.0000004 + 0.00000003 + 0.000000005$$

6. 8.206803361

$$8 + 0.2 + 0.006 + 0.0008 + 0.00003 + 0.000003 + 0.0000006 + 0.00000001$$

7. 5.385570052

$$5 + 0.3 + 0.08 + 0.005 + 0.0005 + 0.00007 + 0.0000005 + 0.00000002$$

8. 8.391959237

$$8 + 0.3 + 0.09 + 0.001 + 0.0009 + 0.00005 + 0.000009 + 0.0000002 + 0.00000003 + 0.000000007$$

9. 4.751748089

$$4 + 0.7 + 0.05 + 0.001 + 0.0007 + 0.00004 + 0.000008 + 0.00000008 + 0.000000009$$

10. 3.054921994

$$3 + 0.05 + 0.004 + 0.0009 + 0.00002 + 0.000001 + 0.0000009 + 0.00000009 + 0.000000004$$

Expanded Form With Decimals (B)

Name: _____

Date: _____

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

1. 5.784297102
2. 1.319645413
3. 4.959882915
4. 7.891886201
5. 1.610108522
6. 9.369513223
7. 2.131831889
8. 3.500497367
9. 6.184001902
10. 4.414360222

Expanded Form With Decimals (B) Answers

Name: _____

Date: _____

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

1. 5.784297102

$$5 + 0.7 + 0.08 + 0.004 + 0.0002 + 0.00009 + 0.000007 + 0.0000001 + 0.000000002$$

2. 1.319645413

$$1 + 0.3 + 0.01 + 0.009 + 0.0006 + 0.00004 + 0.000005 + 0.0000004 + 0.00000001 + 0.000000003$$

3. 4.959882915

$$4 + 0.9 + 0.05 + 0.009 + 0.0008 + 0.00008 + 0.000002 + 0.0000009 + 0.00000001 + 0.000000005$$

4. 7.891886201

$$7 + 0.8 + 0.09 + 0.001 + 0.0008 + 0.00008 + 0.000006 + 0.0000002 + 0.000000001$$

5. 1.610108522

$$1 + 0.6 + 0.01 + 0.0001 + 0.000008 + 0.0000005 + 0.00000002 + 0.000000002$$

6. 9.369513223

$$9 + 0.3 + 0.06 + 0.009 + 0.0005 + 0.00001 + 0.000003 + 0.0000002 + 0.00000002 + 0.000000003$$

7. 2.131831889

$$2 + 0.1 + 0.03 + 0.001 + 0.0008 + 0.00003 + 0.000001 + 0.0000008 + 0.00000008 + 0.000000009$$

8. 3.500497367

$$3 + 0.5 + 0.0004 + 0.00009 + 0.000007 + 0.0000003 + 0.00000006 + 0.000000007$$

9. 6.184001902

$$6 + 0.1 + 0.08 + 0.004 + 0.000001 + 0.0000009 + 0.000000002$$

10. 4.414360222

$$4 + 0.4 + 0.01 + 0.004 + 0.0003 + 0.00006 + 0.0000002 + 0.00000002 + 0.000000002$$

Expanded Form With Decimals (C)

Name: _____

Date: _____

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

1. 9.348768718
2. 7.802306511
3. 9.284545524
4. 6.933008511
5. 1.823827068
6. 5.649001775
7. 5.352069171
8. 3.938749025
9. 9.192019411
10. 5.487988303

Expanded Form With Decimals (C) Answers

Name: _____

Date: _____

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

1. 9.348768718

$$9 + 0.3 + 0.04 + 0.008 + 0.0007 + 0.00006 + 0.000008 + 0.0000007 + 0.00000001 + 0.000000008$$

2. 7.802306511

$$7 + 0.8 + 0.002 + 0.0003 + 0.000006 + 0.0000005 + 0.00000001 + 0.000000001$$

3. 9.284545524

$$9 + 0.2 + 0.08 + 0.004 + 0.0005 + 0.00004 + 0.000005 + 0.0000005 + 0.00000002 + 0.000000004$$

4. 6.933008511

$$6 + 0.9 + 0.03 + 0.003 + 0.000008 + 0.0000005 + 0.00000001 + 0.000000001$$

5. 1.823827068

$$1 + 0.8 + 0.02 + 0.003 + 0.0008 + 0.00002 + 0.000007 + 0.00000006 + 0.000000008$$

6. 5.649001775

$$5 + 0.6 + 0.04 + 0.009 + 0.000001 + 0.0000007 + 0.00000007 + 0.000000005$$

7. 5.352069171

$$5 + 0.3 + 0.05 + 0.002 + 0.00006 + 0.000009 + 0.0000001 + 0.00000007 + 0.000000001$$

8. 3.938749025

$$3 + 0.9 + 0.03 + 0.008 + 0.0007 + 0.00004 + 0.000009 + 0.00000002 + 0.000000005$$

9. 9.192019411

$$9 + 0.1 + 0.09 + 0.002 + 0.00001 + 0.000009 + 0.0000004 + 0.00000001 + 0.000000001$$

10. 5.487988303

$$5 + 0.4 + 0.08 + 0.007 + 0.0009 + 0.00008 + 0.000008 + 0.0000003 + 0.000000003$$

Expanded Form With Decimals (D)

Name: _____

Date: _____

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

1. 4.130084704
2. 8.166719921
3. 9.263405668
4. 1.385105209
5. 9.154975628
6. 1.187549623
7. 4.649090866
8. 7.779991546
9. 4.660051503
10. 1.800754413

Expanded Form With Decimals (D) Answers

Name: _____

Date: _____

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

1. 4.130084704

$$4 + 0.1 + 0.03 + 0.00008 + 0.000004 + 0.0000007 + 0.000000004$$

2. 8.166719921

$$8 + 0.1 + 0.06 + 0.006 + 0.0007 + 0.00001 + 0.000009 + 0.0000009 + 0.00000002 + 0.000000001$$

3. 9.263405668

$$9 + 0.2 + 0.06 + 0.003 + 0.0004 + 0.000005 + 0.0000006 + 0.00000006 + 0.000000008$$

4. 1.385105209

$$1 + 0.3 + 0.08 + 0.005 + 0.0001 + 0.000005 + 0.0000002 + 0.000000009$$

5. 9.154975628

$$9 + 0.1 + 0.05 + 0.004 + 0.0009 + 0.00007 + 0.000005 + 0.0000006 + 0.00000002 + 0.000000008$$

6. 1.187549623

$$1 + 0.1 + 0.08 + 0.007 + 0.0005 + 0.00004 + 0.000009 + 0.0000006 + 0.00000002 + 0.000000003$$

7. 4.649090866

$$4 + 0.6 + 0.04 + 0.009 + 0.00009 + 0.0000008 + 0.00000006 + 0.000000006$$

8. 7.779991546

$$7 + 0.7 + 0.07 + 0.009 + 0.0009 + 0.00009 + 0.000001 + 0.0000005 + 0.00000004 + 0.000000006$$

9. 4.660051503

$$4 + 0.6 + 0.06 + 0.00005 + 0.000001 + 0.0000005 + 0.000000003$$

10. 1.800754413

$$1 + 0.8 + 0.0007 + 0.00005 + 0.000004 + 0.0000004 + 0.00000001 + 0.000000003$$

Expanded Form With Decimals (E)

Name: _____

Date: _____

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

1. 9.422994531
2. 8.074872747
3. 5.279481498
4. 2.576556905
5. 1.970059223
6. 4.330817404
7. 9.353617487
8. 3.629174852
9. 8.786062954
10. 9.463352706

Expanded Form With Decimals (E) Answers

Name: _____

Date: _____

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

1. 9.422994531

$$9 + 0.4 + 0.02 + 0.002 + 0.0009 + 0.00009 + 0.000004 + 0.0000005 + 0.00000003 + 0.000000001$$

2. 8.074872747

$$8 + 0.07 + 0.004 + 0.0008 + 0.00007 + 0.000002 + 0.0000007 + 0.00000004 + 0.000000007$$

3. 5.279481498

$$5 + 0.2 + 0.07 + 0.009 + 0.0004 + 0.00008 + 0.000001 + 0.0000004 + 0.00000009 + 0.000000008$$

4. 2.576556905

$$2 + 0.5 + 0.07 + 0.006 + 0.0005 + 0.00005 + 0.000006 + 0.0000009 + 0.000000005$$

5. 1.970059223

$$1 + 0.9 + 0.07 + 0.00005 + 0.000009 + 0.0000002 + 0.00000002 + 0.000000003$$

6. 4.330817404

$$4 + 0.3 + 0.03 + 0.0008 + 0.00001 + 0.000007 + 0.0000004 + 0.000000004$$

7. 9.353617487

$$9 + 0.3 + 0.05 + 0.003 + 0.0006 + 0.00001 + 0.000007 + 0.0000004 + 0.00000008 + 0.000000007$$

8. 3.629174852

$$3 + 0.6 + 0.02 + 0.009 + 0.0001 + 0.00007 + 0.000004 + 0.0000008 + 0.00000005 + 0.000000002$$

9. 8.786062954

$$8 + 0.7 + 0.08 + 0.006 + 0.00006 + 0.000002 + 0.0000009 + 0.00000005 + 0.000000004$$

10. 9.463352706

$$9 + 0.4 + 0.06 + 0.003 + 0.0003 + 0.00005 + 0.000002 + 0.0000007 + 0.000000006$$

Expanded Form With Decimals (F)

Name: _____

Date: _____

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

1. 6.717310775
2. 3.221219647
3. 3.063633636
4. 8.444375948
5. 5.641108676
6. 9.507020752
7. 1.658272461
8. 9.302306288
9. 6.625758151
10. 9.580838377

Expanded Form With Decimals (F) Answers

Name: _____

Date: _____

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

1. 6.717310775

$$6 + 0.7 + 0.01 + 0.007 + 0.0003 + 0.00001 + 0.0000007 + 0.00000007 + 0.000000005$$

2. 3.221219647

$$3 + 0.2 + 0.02 + 0.001 + 0.0002 + 0.00001 + 0.000009 + 0.0000006 + 0.00000004 + 0.000000007$$

3. 3.063633636

$$3 + 0.06 + 0.003 + 0.0006 + 0.00003 + 0.000003 + 0.0000006 + 0.00000003 + 0.000000006$$

4. 8.444375948

$$8 + 0.4 + 0.04 + 0.004 + 0.0003 + 0.00007 + 0.000005 + 0.0000009 + 0.00000004 + 0.000000008$$

5. 5.641108676

$$5 + 0.6 + 0.04 + 0.001 + 0.0001 + 0.000008 + 0.0000006 + 0.00000007 + 0.000000006$$

6. 9.507020752

$$9 + 0.5 + 0.007 + 0.00002 + 0.0000007 + 0.00000005 + 0.000000002$$

7. 1.658272461

$$1 + 0.6 + 0.05 + 0.008 + 0.0002 + 0.00007 + 0.000002 + 0.0000004 + 0.00000006 + 0.000000001$$

8. 9.302306288

$$9 + 0.3 + 0.002 + 0.0003 + 0.000006 + 0.0000002 + 0.00000008 + 0.000000008$$

9. 6.625758151

$$6 + 0.6 + 0.02 + 0.005 + 0.0007 + 0.00005 + 0.000008 + 0.0000001 + 0.00000005 + 0.000000001$$

10. 9.580838377

$$9 + 0.5 + 0.08 + 0.0008 + 0.00003 + 0.000008 + 0.0000003 + 0.00000007 + 0.000000007$$

Expanded Form With Decimals (G)

Name: _____

Date: _____

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

1. 7.195131422
2. 7.696920599
3. 3.134012803
4. 9.441742903
5. 2.383970943
6. 4.863564463
7. 6.051219115
8. 8.093271605
9. 6.555980727
10. 5.354027207

Expanded Form With Decimals (G) Answers

Name: _____

Date: _____

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

1. 7.195131422

$$7 + 0.1 + 0.09 + 0.005 + 0.0001 + 0.00003 + 0.000001 + 0.0000004 + 0.00000002 + 0.000000002$$

2. 7.696920599

$$7 + 0.6 + 0.09 + 0.006 + 0.0009 + 0.00002 + 0.0000005 + 0.00000009 + 0.000000009$$

3. 3.134012803

$$3 + 0.1 + 0.03 + 0.004 + 0.00001 + 0.000002 + 0.0000008 + 0.000000003$$

4. 9.441742903

$$9 + 0.4 + 0.04 + 0.001 + 0.0007 + 0.00004 + 0.000002 + 0.0000009 + 0.000000003$$

5. 2.383970943

$$2 + 0.3 + 0.08 + 0.003 + 0.0009 + 0.00007 + 0.0000009 + 0.00000004 + 0.000000003$$

6. 4.863564463

$$4 + 0.8 + 0.06 + 0.003 + 0.0005 + 0.00006 + 0.000004 + 0.0000004 + 0.00000006 + 0.000000003$$

7. 6.051219115

$$6 + 0.05 + 0.001 + 0.0002 + 0.00001 + 0.000009 + 0.0000001 + 0.00000001 + 0.000000005$$

8. 8.093271605

$$8 + 0.09 + 0.003 + 0.0002 + 0.00007 + 0.000001 + 0.0000006 + 0.000000005$$

9. 6.555980727

$$6 + 0.5 + 0.05 + 0.005 + 0.0009 + 0.00008 + 0.0000007 + 0.00000002 + 0.000000007$$

10. 5.354027207

$$5 + 0.3 + 0.05 + 0.004 + 0.00002 + 0.000007 + 0.0000002 + 0.000000007$$

Expanded Form With Decimals (H)

Name: _____

Date: _____

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

1. 9.454297001
2. 4.192197441
3. 9.718217719
4. 2.903720703
5. 5.031081764
6. 1.737535269
7. 9.008841488
8. 5.506397629
9. 3.924152944
10. 6.119438954

Expanded Form With Decimals (H) Answers

Name: _____

Date: _____

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

1. 9.454297001

$$9 + 0.4 + 0.05 + 0.004 + 0.0002 + 0.00009 + 0.000007 + 0.00000001$$

2. 4.192197441

$$4 + 0.1 + 0.09 + 0.002 + 0.0001 + 0.00009 + 0.000007 + 0.0000004 + 0.00000004 + 0.000000001$$

3. 9.718217719

$$9 + 0.7 + 0.01 + 0.008 + 0.0002 + 0.00001 + 0.000007 + 0.0000007 + 0.00000001 + 0.000000009$$

4. 2.903720703

$$2 + 0.9 + 0.003 + 0.0007 + 0.00002 + 0.0000007 + 0.000000003$$

5. 5.031081764

$$5 + 0.03 + 0.001 + 0.00008 + 0.000001 + 0.0000007 + 0.00000006 + 0.000000004$$

6. 1.737535269

$$1 + 0.7 + 0.03 + 0.007 + 0.0005 + 0.00003 + 0.000005 + 0.0000002 + 0.00000006 + 0.000000009$$

7. 9.008841488

$$9 + 0.008 + 0.0008 + 0.00004 + 0.000001 + 0.0000004 + 0.00000008 + 0.000000008$$

8. 5.506397629

$$5 + 0.5 + 0.006 + 0.0003 + 0.00009 + 0.000007 + 0.0000006 + 0.00000002 + 0.000000009$$

9. 3.924152944

$$3 + 0.9 + 0.02 + 0.004 + 0.0001 + 0.00005 + 0.000002 + 0.0000009 + 0.00000004 + 0.000000004$$

10. 6.119438954

$$6 + 0.1 + 0.01 + 0.009 + 0.0004 + 0.00003 + 0.000008 + 0.0000009 + 0.00000005 + 0.000000004$$

Expanded Form With Decimals (I)

Name: _____

Date: _____

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

1. 8.037377838
2. 9.875856893
3. 2.800173616
4. 4.155417482
5. 3.285623765
6. 3.992761083
7. 6.661827942
8. 1.620845604
9. 8.791156466
10. 2.578823368

Expanded Form With Decimals (I) Answers

Name: _____

Date: _____

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

1. **8.037377838**

$$8 + 0.03 + 0.007 + 0.0003 + 0.00007 + 0.000007 + 0.0000008 + 0.00000003 + 0.000000008$$

2. **9.875856893**

$$9 + 0.8 + 0.07 + 0.005 + 0.0008 + 0.00005 + 0.000006 + 0.0000008 + 0.00000009 + 0.000000003$$

3. **2.800173616**

$$2 + 0.8 + 0.0001 + 0.00007 + 0.000003 + 0.0000006 + 0.00000001 + 0.000000006$$

4. **4.155417482**

$$4 + 0.1 + 0.05 + 0.005 + 0.0004 + 0.00001 + 0.000007 + 0.0000004 + 0.00000008 + 0.000000002$$

5. **3.285623765**

$$3 + 0.2 + 0.08 + 0.005 + 0.0006 + 0.00002 + 0.000003 + 0.0000007 + 0.00000006 + 0.000000005$$

6. **3.992761083**

$$3 + 0.9 + 0.09 + 0.002 + 0.0007 + 0.00006 + 0.000001 + 0.0000008 + 0.00000003$$

7. **6.661827942**

$$6 + 0.6 + 0.06 + 0.001 + 0.0008 + 0.00002 + 0.000007 + 0.0000009 + 0.00000004 + 0.000000002$$

8. **1.620845604**

$$1 + 0.6 + 0.02 + 0.0008 + 0.00004 + 0.000005 + 0.0000006 + 0.00000004$$

9. **8.791156466**

$$8 + 0.7 + 0.09 + 0.001 + 0.0001 + 0.00005 + 0.000006 + 0.0000004 + 0.00000006 + 0.000000006$$

10. **2.578823368**

$$2 + 0.5 + 0.07 + 0.008 + 0.0008 + 0.00002 + 0.000003 + 0.0000003 + 0.00000006 + 0.000000008$$

Expanded Form With Decimals (J)

Name: _____

Date: _____

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

1. 4.233801893
2. 2.137574239
3. 2.076971261
4. 9.300723273
5. 6.082125188
6. 6.584424348
7. 5.713704932
8. 9.460385645
9. 3.187739545
10. 3.605071507

Expanded Form With Decimals (J) Answers

Name: _____

Date: _____

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

1. 4.233801893

$$4 + 0.2 + 0.03 + 0.003 + 0.0008 + 0.000001 + 0.0000008 + 0.00000009 + 0.000000003$$

2. 2.137574239

$$2 + 0.1 + 0.03 + 0.007 + 0.0005 + 0.00007 + 0.000004 + 0.0000002 + 0.00000003 + 0.000000009$$

3. 2.076971261

$$2 + 0.07 + 0.006 + 0.0009 + 0.00007 + 0.000001 + 0.0000002 + 0.00000006 + 0.000000001$$

4. 9.300723273

$$9 + 0.3 + 0.0007 + 0.00002 + 0.000003 + 0.0000002 + 0.00000007 + 0.000000003$$

5. 6.082125188

$$6 + 0.08 + 0.002 + 0.0001 + 0.00002 + 0.000005 + 0.0000001 + 0.00000008 + 0.000000008$$

6. 6.584424348

$$6 + 0.5 + 0.08 + 0.004 + 0.0004 + 0.00002 + 0.000004 + 0.0000003 + 0.00000004 + 0.000000008$$

7. 5.713704932

$$5 + 0.7 + 0.01 + 0.003 + 0.0007 + 0.000004 + 0.0000009 + 0.00000003 + 0.000000002$$

8. 9.460385645

$$9 + 0.4 + 0.06 + 0.0003 + 0.00008 + 0.000005 + 0.0000006 + 0.00000004 + 0.000000005$$

9. 3.187739545

$$3 + 0.1 + 0.08 + 0.007 + 0.0007 + 0.00003 + 0.000009 + 0.0000005 + 0.00000004 + 0.000000005$$

10. 3.605071507

$$3 + 0.6 + 0.005 + 0.00007 + 0.000001 + 0.0000005 + 0.000000007$$