

Expanded Form With Decimals (A)

Name: _____

Date: _____

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

1. 1.215

2. 6.984

3. 3.001

4. 8.629

5. 4.772

6. 5.346

7. 4.503

8. 5.263

9. 8.835

10. 4.905

Expanded Form With Decimals (A) Answers

Name: _____

Date: _____

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

1. 1.215

$$1 + \frac{2}{10} + \frac{1}{100} + \frac{5}{1000}$$

2. 6.984

$$6 + \frac{9}{10} + \frac{8}{100} + \frac{4}{1000}$$

3. 3.001

$$3 + \frac{1}{1000}$$

4. 8.629

$$8 + \frac{6}{10} + \frac{2}{100} + \frac{9}{1000}$$

5. 4.772

$$4 + \frac{7}{10} + \frac{7}{100} + \frac{2}{1000}$$

6. 5.346

$$5 + \frac{3}{10} + \frac{4}{100} + \frac{6}{1000}$$

7. 4.503

$$4 + \frac{5}{10} + \frac{3}{1000}$$

8. 5.263

$$5 + \frac{2}{10} + \frac{6}{100} + \frac{3}{1000}$$

9. 8.835

$$8 + \frac{8}{10} + \frac{3}{100} + \frac{5}{1000}$$

10. 4.905

$$4 + \frac{9}{10} + \frac{5}{1000}$$

Expanded Form With Decimals (B)

Name: _____

Date: _____

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

1. 2.826
2. 8.963
3. 1.576
4. 5.546
5. 5.035
6. 2.142
7. 5.982
8. 6.856
9. 6.664
10. 1.787

Expanded Form With Decimals (B) Answers

Name: _____

Date: _____

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

1. 2.826

$$2 + \frac{8}{10} + \frac{2}{100} + \frac{6}{1000}$$

2. 8.963

$$8 + \frac{9}{10} + \frac{6}{100} + \frac{3}{1000}$$

3. 1.576

$$1 + \frac{5}{10} + \frac{7}{100} + \frac{6}{1000}$$

4. 5.546

$$5 + \frac{5}{10} + \frac{4}{100} + \frac{6}{1000}$$

5. 5.035

$$5 + \frac{3}{100} + \frac{5}{1000}$$

6. 2.142

$$2 + \frac{1}{10} + \frac{4}{100} + \frac{2}{1000}$$

7. 5.982

$$5 + \frac{9}{10} + \frac{8}{100} + \frac{2}{1000}$$

8. 6.856

$$6 + \frac{8}{10} + \frac{5}{100} + \frac{6}{1000}$$

9. 6.664

$$6 + \frac{6}{10} + \frac{6}{100} + \frac{4}{1000}$$

10. 1.787

$$1 + \frac{7}{10} + \frac{8}{100} + \frac{7}{1000}$$

Expanded Form With Decimals (C)

Name: _____

Date: _____

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

1. 3.627

2. 2.181

3. 2.712

4. 9.571

5. 4.313

6. 4.897

7. 3.907

8. 1.828

9. 8.311

10. 6.031

Expanded Form With Decimals (C) Answers

Name: _____

Date: _____

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

1. 3.627

$$3 + \frac{6}{10} + \frac{2}{100} + \frac{7}{1000}$$

2. 2.181

$$2 + \frac{1}{10} + \frac{8}{100} + \frac{1}{1000}$$

3. 2.712

$$2 + \frac{7}{10} + \frac{1}{100} + \frac{2}{1000}$$

4. 9.571

$$9 + \frac{5}{10} + \frac{7}{100} + \frac{1}{1000}$$

5. 4.313

$$4 + \frac{3}{10} + \frac{1}{100} + \frac{3}{1000}$$

6. 4.897

$$4 + \frac{8}{10} + \frac{9}{100} + \frac{7}{1000}$$

7. 3.907

$$3 + \frac{9}{10} + \frac{7}{1000}$$

8. 1.828

$$1 + \frac{8}{10} + \frac{2}{100} + \frac{8}{1000}$$

9. 8.311

$$8 + \frac{3}{10} + \frac{1}{100} + \frac{1}{1000}$$

10. 6.031

$$6 + \frac{3}{100} + \frac{1}{1000}$$

Expanded Form With Decimals (D)

Name: _____

Date: _____

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

1. 7.589

2. 8.013

3. 4.061

4. 7.129

5. 1.825

6. 9.773

7. 2.499

8. 8.072

9. 4.942

10. 4.363

Expanded Form With Decimals (D) Answers

Name: _____

Date: _____

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

1. 7.589

$$7 + \frac{5}{10} + \frac{8}{100} + \frac{9}{1000}$$

2. 8.013

$$8 + \frac{1}{100} + \frac{3}{1000}$$

3. 4.061

$$4 + \frac{6}{100} + \frac{1}{1000}$$

4. 7.129

$$7 + \frac{1}{10} + \frac{2}{100} + \frac{9}{1000}$$

5. 1.825

$$1 + \frac{8}{10} + \frac{2}{100} + \frac{5}{1000}$$

6. 9.773

$$9 + \frac{7}{10} + \frac{7}{100} + \frac{3}{1000}$$

7. 2.499

$$2 + \frac{4}{10} + \frac{9}{100} + \frac{9}{1000}$$

8. 8.072

$$8 + \frac{7}{100} + \frac{2}{1000}$$

9. 4.942

$$4 + \frac{9}{10} + \frac{4}{100} + \frac{2}{1000}$$

10. 4.363

$$4 + \frac{3}{10} + \frac{6}{100} + \frac{3}{1000}$$

Expanded Form With Decimals (E)

Name: _____

Date: _____

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

1. 2.334

2. 4.411

3. 4.728

4. 3.246

5. 4.839

6. 1.159

7. 5.297

8. 4.468

9. 9.418

10. 3.139

Expanded Form With Decimals (E) Answers

Name: _____

Date: _____

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

1. 2.334

$$2 + \frac{3}{10} + \frac{3}{100} + \frac{4}{1000}$$

2. 4.411

$$4 + \frac{4}{10} + \frac{1}{100} + \frac{1}{1000}$$

3. 4.728

$$4 + \frac{7}{10} + \frac{2}{100} + \frac{8}{1000}$$

4. 3.246

$$3 + \frac{2}{10} + \frac{4}{100} + \frac{6}{1000}$$

5. 4.839

$$4 + \frac{8}{10} + \frac{3}{100} + \frac{9}{1000}$$

6. 1.159

$$1 + \frac{1}{10} + \frac{5}{100} + \frac{9}{1000}$$

7. 5.297

$$5 + \frac{2}{10} + \frac{9}{100} + \frac{7}{1000}$$

8. 4.468

$$4 + \frac{4}{10} + \frac{6}{100} + \frac{8}{1000}$$

9. 9.418

$$9 + \frac{4}{10} + \frac{1}{100} + \frac{8}{1000}$$

10. 3.139

$$3 + \frac{1}{10} + \frac{3}{100} + \frac{9}{1000}$$

Expanded Form With Decimals (F)

Name: _____

Date: _____

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

1. 8.675
2. 3.195
3. 8.646
4. 5.798
5. 2.017
6. 7.135
7. 9.404
8. 7.682
9. 9.037
10. 7.162

Expanded Form With Decimals (F) Answers

Name: _____

Date: _____

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

1. 8.675

$$8 + \frac{6}{10} + \frac{7}{100} + \frac{5}{1000}$$

2. 3.195

$$3 + \frac{1}{10} + \frac{9}{100} + \frac{5}{1000}$$

3. 8.646

$$8 + \frac{6}{10} + \frac{4}{100} + \frac{6}{1000}$$

4. 5.798

$$5 + \frac{7}{10} + \frac{9}{100} + \frac{8}{1000}$$

5. 2.017

$$2 + \frac{1}{100} + \frac{7}{1000}$$

6. 7.135

$$7 + \frac{1}{10} + \frac{3}{100} + \frac{5}{1000}$$

7. 9.404

$$9 + \frac{4}{10} + \frac{4}{1000}$$

8. 7.682

$$7 + \frac{6}{10} + \frac{8}{100} + \frac{2}{1000}$$

9. 9.037

$$9 + \frac{3}{100} + \frac{7}{1000}$$

10. 7.162

$$7 + \frac{1}{10} + \frac{6}{100} + \frac{2}{1000}$$

Expanded Form With Decimals (G)

Name: _____

Date: _____

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

1. 3.236

2. 8.766

3. 1.373

4. 9.433

5. 8.869

6. 8.518

7. 9.231

8. 5.326

9. 4.705

10. 3.131

Expanded Form With Decimals (G) Answers

Name: _____

Date: _____

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

1. **3.236**

$$3 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000}$$

2. **8.766**

$$8 + \frac{7}{10} + \frac{6}{100} + \frac{6}{1000}$$

3. **1.373**

$$1 + \frac{3}{10} + \frac{7}{100} + \frac{3}{1000}$$

4. **9.433**

$$9 + \frac{4}{10} + \frac{3}{100} + \frac{3}{1000}$$

5. **8.869**

$$8 + \frac{8}{10} + \frac{6}{100} + \frac{9}{1000}$$

6. **8.518**

$$8 + \frac{5}{10} + \frac{1}{100} + \frac{8}{1000}$$

7. **9.231**

$$9 + \frac{2}{10} + \frac{3}{100} + \frac{1}{1000}$$

8. **5.326**

$$5 + \frac{3}{10} + \frac{2}{100} + \frac{6}{1000}$$

9. **4.705**

$$4 + \frac{7}{10} + \frac{5}{1000}$$

10. **3.131**

$$3 + \frac{1}{10} + \frac{3}{100} + \frac{1}{1000}$$

Expanded Form With Decimals (H)

Name: _____

Date: _____

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

1. 4.118

2. 9.754

3. 2.207

4. 5.182

5. 2.086

6. 2.677

7. 9.011

8. 8.277

9. 4.145

10. 6.333

Expanded Form With Decimals (H) Answers

Name: _____

Date: _____

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

1. 4.118

$$4 + \frac{1}{10} + \frac{1}{100} + \frac{8}{1000}$$

2. 9.754

$$9 + \frac{7}{10} + \frac{5}{100} + \frac{4}{1000}$$

3. 2.207

$$2 + \frac{2}{10} + \frac{7}{1000}$$

4. 5.182

$$5 + \frac{1}{10} + \frac{8}{100} + \frac{2}{1000}$$

5. 2.086

$$2 + \frac{8}{100} + \frac{6}{1000}$$

6. 2.677

$$2 + \frac{6}{10} + \frac{7}{100} + \frac{7}{1000}$$

7. 9.011

$$9 + \frac{1}{100} + \frac{1}{1000}$$

8. 8.277

$$8 + \frac{2}{10} + \frac{7}{100} + \frac{7}{1000}$$

9. 4.145

$$4 + \frac{1}{10} + \frac{4}{100} + \frac{5}{1000}$$

10. 6.333

$$6 + \frac{3}{10} + \frac{3}{100} + \frac{3}{1000}$$

Expanded Form With Decimals (I)

Name: _____

Date: _____

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

1. 1.929

2. 4.653

3. 9.817

4. 8.664

5. 5.575

6. 5.524

7. 9.662

8. 4.481

9. 4.297

10. 3.021

Expanded Form With Decimals (I) Answers

Name: _____

Date: _____

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

1. 1.929

$$1 + \frac{9}{10} + \frac{2}{100} + \frac{9}{1000}$$

2. 4.653

$$4 + \frac{6}{10} + \frac{5}{100} + \frac{3}{1000}$$

3. 9.817

$$9 + \frac{8}{10} + \frac{1}{100} + \frac{7}{1000}$$

4. 8.664

$$8 + \frac{6}{10} + \frac{6}{100} + \frac{4}{1000}$$

5. 5.575

$$5 + \frac{5}{10} + \frac{7}{100} + \frac{5}{1000}$$

6. 5.524

$$5 + \frac{5}{10} + \frac{2}{100} + \frac{4}{1000}$$

7. 9.662

$$9 + \frac{6}{10} + \frac{6}{100} + \frac{2}{1000}$$

8. 4.481

$$4 + \frac{4}{10} + \frac{8}{100} + \frac{1}{1000}$$

9. 4.297

$$4 + \frac{2}{10} + \frac{9}{100} + \frac{7}{1000}$$

10. 3.021

$$3 + \frac{2}{100} + \frac{1}{1000}$$

Expanded Form With Decimals (J)

Name: _____

Date: _____

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

1. 8.333

2. 9.484

3. 5.968

4. 7.172

5. 3.917

6. 1.525

7. 6.359

8. 5.106

9. 8.031

10. 5.006

Expanded Form With Decimals (J) Answers

Name: _____

Date: _____

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

1. **8.333**

$$8 + \frac{3}{10} + \frac{3}{100} + \frac{3}{1000}$$

2. **9.484**

$$9 + \frac{4}{10} + \frac{8}{100} + \frac{4}{1000}$$

3. **5.968**

$$5 + \frac{9}{10} + \frac{6}{100} + \frac{8}{1000}$$

4. **7.172**

$$7 + \frac{1}{10} + \frac{7}{100} + \frac{2}{1000}$$

5. **3.917**

$$3 + \frac{9}{10} + \frac{1}{100} + \frac{7}{1000}$$

6. **1.525**

$$1 + \frac{5}{10} + \frac{2}{100} + \frac{5}{1000}$$

7. **6.359**

$$6 + \frac{3}{10} + \frac{5}{100} + \frac{9}{1000}$$

8. **5.106**

$$5 + \frac{1}{10} + \frac{6}{1000}$$

9. **8.031**

$$8 + \frac{3}{100} + \frac{1}{1000}$$

10. **5.006**

$$5 + \frac{6}{1000}$$