

## Expanded Form With Decimals (A)

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

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

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

1. 8.606398514
2. 7.168048387
3. 4.437338259
4. 6.891952662
5. 9.460458557
6. 4.926923418
7. 6.516322553
8. 4.316272085
9. 7.564015688
10. 9.956133075

## Expanded Form With Decimals (A) Answers

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

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

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

1. 8.606398514

$$8 + \frac{6}{10} + \frac{6}{1000} + \frac{3}{10,000} + \frac{9}{100,000} + \frac{8}{1,000,000} + \frac{5}{10,000,000} + \frac{1}{100,000,000} + \frac{4}{1,000,000,000}$$

2. 7.168048387

$$7 + \frac{1}{10} + \frac{6}{100} + \frac{8}{1000} + \frac{4}{100,000} + \frac{8}{1,000,000} + \frac{3}{10,000,000} + \frac{8}{100,000,000} + \frac{7}{1,000,000,000}$$

3. 4.437338259

$$4 + \frac{4}{10} + \frac{3}{100} + \frac{7}{1000} + \frac{3}{10,000} + \frac{3}{100,000} + \frac{8}{1,000,000} + \frac{2}{10,000,000} + \frac{5}{100,000,000} + \frac{9}{1,000,000,000}$$

4. 6.891952662

$$6 + \frac{8}{10} + \frac{9}{100} + \frac{1}{1000} + \frac{9}{10,000} + \frac{5}{100,000} + \frac{2}{1,000,000} + \frac{6}{10,000,000} + \frac{6}{100,000,000} + \frac{2}{1,000,000,000}$$

5. 9.460458557

$$9 + \frac{4}{10} + \frac{6}{100} + \frac{4}{10,000} + \frac{5}{100,000} + \frac{8}{1,000,000} + \frac{5}{10,000,000} + \frac{5}{100,000,000} + \frac{7}{1,000,000,000}$$

6. 4.926923418

$$4 + \frac{9}{10} + \frac{2}{100} + \frac{6}{1000} + \frac{9}{10,000} + \frac{2}{100,000} + \frac{3}{1,000,000} + \frac{4}{10,000,000} + \frac{1}{100,000,000} + \frac{8}{1,000,000,000}$$

7. 6.516322553

$$6 + \frac{5}{10} + \frac{1}{100} + \frac{6}{1000} + \frac{3}{10,000} + \frac{2}{100,000} + \frac{2}{1,000,000} + \frac{5}{10,000,000} + \frac{5}{100,000,000} + \frac{3}{1,000,000,000}$$

8. 4.316272085

$$4 + \frac{3}{10} + \frac{1}{100} + \frac{6}{1000} + \frac{2}{10,000} + \frac{7}{100,000} + \frac{2}{1,000,000} + \frac{8}{100,000,000} + \frac{5}{1,000,000,000}$$

9. 7.564015688

$$7 + \frac{5}{10} + \frac{6}{100} + \frac{4}{1000} + \frac{1}{100,000} + \frac{5}{1,000,000} + \frac{6}{10,000,000} + \frac{8}{100,000,000} + \frac{8}{1,000,000,000}$$

10. 9.956133075

$$9 + \frac{9}{10} + \frac{5}{100} + \frac{6}{1000} + \frac{1}{10,000} + \frac{3}{100,000} + \frac{3}{1,000,000} + \frac{7}{100,000,000} + \frac{5}{1,000,000,000}$$

## Expanded Form With Decimals (B)

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

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

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

1. 3.621727098
2. 1.192278121
3. 2.054654755
4. 6.224018085
5. 1.117850499
6. 6.999756578
7. 2.334759287
8. 9.904143356
9. 9.650948459
10. 7.912447402

## Expanded Form With Decimals (B) Answers

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

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

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

1. 3.621727098

$$3 + \frac{6}{10} + \frac{2}{100} + \frac{1}{1000} + \frac{7}{10,000} + \frac{2}{100,000} + \frac{7}{1,000,000} + \frac{9}{100,000,000} + \frac{8}{1,000,000,000}$$

2. 1.192278121

$$1 + \frac{1}{10} + \frac{9}{100} + \frac{2}{1000} + \frac{2}{10,000} + \frac{7}{100,000} + \frac{8}{1,000,000} + \frac{1}{10,000,000} + \frac{2}{100,000,000} + \frac{1}{1,000,000,000}$$

3. 2.054654755

$$2 + \frac{5}{100} + \frac{4}{1000} + \frac{6}{10,000} + \frac{5}{100,000} + \frac{4}{1,000,000} + \frac{7}{10,000,000} + \frac{5}{100,000,000} + \frac{5}{1,000,000,000}$$

4. 6.224018085

$$6 + \frac{2}{10} + \frac{2}{100} + \frac{4}{1000} + \frac{1}{100,000} + \frac{8}{1,000,000} + \frac{8}{100,000,000} + \frac{5}{1,000,000,000}$$

5. 1.117850499

$$1 + \frac{1}{10} + \frac{1}{100} + \frac{7}{1000} + \frac{8}{10,000} + \frac{5}{100,000} + \frac{4}{10,000,000} + \frac{9}{100,000,000} + \frac{9}{1,000,000,000}$$

6. 6.999756578

$$6 + \frac{9}{10} + \frac{9}{100} + \frac{9}{1000} + \frac{7}{10,000} + \frac{5}{100,000} + \frac{6}{1,000,000} + \frac{5}{10,000,000} + \frac{7}{100,000,000} + \frac{8}{1,000,000,000}$$

7. 2.334759287

$$2 + \frac{3}{10} + \frac{3}{100} + \frac{4}{1000} + \frac{7}{10,000} + \frac{5}{100,000} + \frac{9}{1,000,000} + \frac{2}{10,000,000} + \frac{8}{100,000,000} + \frac{7}{1,000,000,000}$$

8. 9.904143356

$$9 + \frac{9}{10} + \frac{4}{1000} + \frac{1}{10,000} + \frac{4}{100,000} + \frac{3}{1,000,000} + \frac{3}{10,000,000} + \frac{5}{100,000,000} + \frac{6}{1,000,000,000}$$

9. 9.650948459

$$9 + \frac{6}{10} + \frac{5}{100} + \frac{9}{10,000} + \frac{4}{100,000} + \frac{8}{1,000,000} + \frac{4}{10,000,000} + \frac{5}{100,000,000} + \frac{9}{1,000,000,000}$$

10. 7.912447402

$$7 + \frac{9}{10} + \frac{1}{100} + \frac{2}{1000} + \frac{4}{10,000} + \frac{4}{100,000} + \frac{7}{1,000,000} + \frac{4}{10,000,000} + \frac{2}{1,000,000,000}$$

## Expanded Form With Decimals (C)

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

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

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

1. 2.500686907
2. 7.990588361
3. 2.758355983
4. 5.479621469
5. 1.258987716
6. 4.065156501
7. 3.210594689
8. 5.996696843
9. 6.077139814
10. 6.923635263

## Expanded Form With Decimals (C) Answers

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

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

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

1. 2.500686907

$$2 + \frac{5}{10} + \frac{6}{10,000} + \frac{8}{100,000} + \frac{6}{1,000,000} + \frac{9}{10,000,000} + \frac{7}{1,000,000,000}$$

2. 7.990588361

$$7 + \frac{9}{10} + \frac{9}{100} + \frac{5}{10,000} + \frac{8}{100,000} + \frac{8}{1,000,000} + \frac{3}{10,000,000} + \frac{6}{100,000,000} + \frac{1}{1,000,000,000}$$

3. 2.758355983

$$2 + \frac{7}{10} + \frac{5}{100} + \frac{8}{1000} + \frac{3}{10,000} + \frac{5}{100,000} + \frac{5}{1,000,000} + \frac{9}{10,000,000} + \frac{8}{100,000,000} + \frac{3}{1,000,000,000}$$

4. 5.479621469

$$5 + \frac{4}{10} + \frac{7}{100} + \frac{9}{1000} + \frac{6}{10,000} + \frac{2}{100,000} + \frac{1}{1,000,000} + \frac{4}{10,000,000} + \frac{6}{100,000,000} + \frac{9}{1,000,000,000}$$

5. 1.258987716

$$1 + \frac{2}{10} + \frac{5}{100} + \frac{8}{1000} + \frac{9}{10,000} + \frac{8}{100,000} + \frac{7}{1,000,000} + \frac{7}{10,000,000} + \frac{1}{100,000,000} + \frac{6}{1,000,000,000}$$

6. 4.065156501

$$4 + \frac{6}{100} + \frac{5}{1000} + \frac{1}{10,000} + \frac{5}{100,000} + \frac{6}{1,000,000} + \frac{5}{10,000,000} + \frac{1}{1,000,000,000}$$

7. 3.210594689

$$3 + \frac{2}{10} + \frac{1}{100} + \frac{5}{10,000} + \frac{9}{100,000} + \frac{4}{1,000,000} + \frac{6}{10,000,000} + \frac{8}{100,000,000} + \frac{9}{1,000,000,000}$$

8. 5.996696843

$$5 + \frac{9}{10} + \frac{9}{100} + \frac{6}{1000} + \frac{6}{10,000} + \frac{9}{100,000} + \frac{6}{1,000,000} + \frac{8}{10,000,000} + \frac{4}{100,000,000} + \frac{3}{1,000,000,000}$$

9. 6.077139814

$$6 + \frac{7}{100} + \frac{7}{1000} + \frac{1}{10,000} + \frac{3}{100,000} + \frac{9}{1,000,000} + \frac{8}{10,000,000} + \frac{1}{100,000,000} + \frac{4}{1,000,000,000}$$

10. 6.923635263

$$6 + \frac{9}{10} + \frac{2}{100} + \frac{3}{1000} + \frac{6}{10,000} + \frac{3}{100,000} + \frac{5}{1,000,000} + \frac{2}{10,000,000} + \frac{6}{100,000,000} + \frac{3}{1,000,000,000}$$

## Expanded Form With Decimals (D)

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

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

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

1. 2.369924003
2. 1.570237052
3. 2.792622271
4. 7.943657999
5. 6.251575772
6. 9.868034211
7. 5.877943298
8. 7.039607574
9. 7.828874973
10. 1.548934631

## Expanded Form With Decimals (D) Answers

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

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

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

1. 2.369924003

$$2 + \frac{3}{10} + \frac{6}{100} + \frac{9}{1000} + \frac{9}{10,000} + \frac{2}{100,000} + \frac{4}{1,000,000} + \frac{3}{1,000,000,000}$$

2. 1.570237052

$$1 + \frac{5}{10} + \frac{7}{100} + \frac{2}{10,000} + \frac{3}{100,000} + \frac{7}{1,000,000} + \frac{5}{100,000,000} + \frac{2}{1,000,000,000}$$

3. 2.792622271

$$2 + \frac{7}{10} + \frac{9}{100} + \frac{2}{1000} + \frac{6}{10,000} + \frac{2}{100,000} + \frac{2}{1,000,000} + \frac{2}{10,000,000} + \frac{7}{100,000,000} + \frac{1}{1,000,000,000}$$

4. 7.943657999

$$7 + \frac{9}{10} + \frac{4}{100} + \frac{3}{1000} + \frac{6}{10,000} + \frac{5}{100,000} + \frac{7}{1,000,000} + \frac{9}{10,000,000} + \frac{9}{100,000,000} + \frac{9}{1,000,000,000}$$

5. 6.251575772

$$6 + \frac{2}{10} + \frac{5}{100} + \frac{1}{1000} + \frac{5}{10,000} + \frac{7}{100,000} + \frac{5}{1,000,000} + \frac{7}{10,000,000} + \frac{7}{100,000,000} + \frac{2}{1,000,000,000}$$

6. 9.868034211

$$9 + \frac{8}{10} + \frac{6}{100} + \frac{8}{1000} + \frac{3}{100,000} + \frac{4}{1,000,000} + \frac{2}{10,000,000} + \frac{1}{100,000,000} + \frac{1}{1,000,000,000}$$

7. 5.877943298

$$5 + \frac{8}{10} + \frac{7}{100} + \frac{7}{1000} + \frac{9}{10,000} + \frac{4}{100,000} + \frac{3}{1,000,000} + \frac{2}{10,000,000} + \frac{9}{100,000,000} + \frac{8}{1,000,000,000}$$

8. 7.039607574

$$7 + \frac{3}{100} + \frac{9}{1000} + \frac{6}{10,000} + \frac{7}{1,000,000} + \frac{5}{10,000,000} + \frac{7}{100,000,000} + \frac{4}{1,000,000,000}$$

9. 7.828874973

$$7 + \frac{8}{10} + \frac{2}{100} + \frac{8}{1000} + \frac{8}{10,000} + \frac{7}{100,000} + \frac{4}{1,000,000} + \frac{9}{10,000,000} + \frac{7}{100,000,000} + \frac{3}{1,000,000,000}$$

10. 1.548934631

$$1 + \frac{5}{10} + \frac{4}{100} + \frac{8}{1000} + \frac{9}{10,000} + \frac{3}{100,000} + \frac{4}{1,000,000} + \frac{6}{10,000,000} + \frac{3}{100,000,000} + \frac{1}{1,000,000,000}$$



## Expanded Form With Decimals (E)

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

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

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

1. 3.621405115
2. 4.129302633
3. 7.157549399
4. 3.774678478
5. 7.365157141
6. 1.464360401
7. 9.318542519
8. 2.478722079
9. 5.395025178
10. 3.042475085

## Expanded Form With Decimals (E) Answers

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

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

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

1. 3.621405115

$$3 + \frac{6}{10} + \frac{2}{100} + \frac{1}{1000} + \frac{4}{10,000} + \frac{5}{1,000,000} + \frac{1}{10,000,000} + \frac{1}{100,000,000} + \frac{5}{1,000,000,000}$$

2. 4.129302633

$$4 + \frac{1}{10} + \frac{2}{100} + \frac{9}{1000} + \frac{3}{10,000} + \frac{2}{1,000,000} + \frac{6}{10,000,000} + \frac{3}{100,000,000} + \frac{3}{1,000,000,000}$$

3. 7.157549399

$$7 + \frac{1}{10} + \frac{5}{100} + \frac{7}{1000} + \frac{5}{10,000} + \frac{4}{100,000} + \frac{9}{1,000,000} + \frac{3}{10,000,000} + \frac{9}{100,000,000} + \frac{9}{1,000,000,000}$$

4. 3.774678478

$$3 + \frac{7}{10} + \frac{7}{100} + \frac{4}{1000} + \frac{6}{10,000} + \frac{7}{100,000} + \frac{8}{1,000,000} + \frac{4}{10,000,000} + \frac{7}{100,000,000} + \frac{8}{1,000,000,000}$$

5. 7.365157141

$$7 + \frac{3}{10} + \frac{6}{100} + \frac{5}{1000} + \frac{1}{10,000} + \frac{5}{100,000} + \frac{7}{1,000,000} + \frac{1}{10,000,000} + \frac{4}{100,000,000} + \frac{1}{1,000,000,000}$$

6. 1.464360401

$$1 + \frac{4}{10} + \frac{6}{100} + \frac{4}{1000} + \frac{3}{10,000} + \frac{6}{100,000} + \frac{4}{1,000,000} + \frac{1}{10,000,000}$$

7. 9.318542519

$$9 + \frac{3}{10} + \frac{1}{100} + \frac{8}{1000} + \frac{5}{10,000} + \frac{4}{100,000} + \frac{2}{1,000,000} + \frac{5}{10,000,000} + \frac{1}{100,000,000} + \frac{9}{1,000,000,000}$$

8. 2.478722079

$$2 + \frac{4}{10} + \frac{7}{100} + \frac{8}{1000} + \frac{7}{10,000} + \frac{2}{100,000} + \frac{2}{1,000,000} + \frac{7}{100,000,000} + \frac{9}{1,000,000,000}$$

9. 5.395025178

$$5 + \frac{3}{10} + \frac{9}{100} + \frac{5}{1000} + \frac{2}{100,000} + \frac{5}{1,000,000} + \frac{1}{10,000,000} + \frac{7}{100,000,000} + \frac{8}{1,000,000,000}$$

10. 3.042475085

$$3 + \frac{4}{100} + \frac{2}{1000} + \frac{4}{10,000} + \frac{7}{100,000} + \frac{5}{1,000,000} + \frac{8}{100,000,000} + \frac{5}{1,000,000,000}$$

## Expanded Form With Decimals (F)

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

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

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

1. 1.451428533
2. 5.144315421
3. 7.814967446
4. 9.947837582
5. 1.346033911
6. 7.044450604
7. 3.083981396
8. 2.922409152
9. 9.748012888
10. 3.055357444

## Expanded Form With Decimals (F) Answers

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

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

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

1. 1.451428533

$$1 + \frac{4}{10} + \frac{5}{100} + \frac{1}{1000} + \frac{4}{10,000} + \frac{2}{100,000} + \frac{8}{1,000,000} + \frac{5}{10,000,000} + \frac{3}{100,000,000} + \frac{3}{1,000,000,000}$$

2. 5.144315421

$$5 + \frac{1}{10} + \frac{4}{100} + \frac{4}{1000} + \frac{3}{10,000} + \frac{1}{100,000} + \frac{5}{1,000,000} + \frac{4}{10,000,000} + \frac{2}{100,000,000} + \frac{1}{1,000,000,000}$$

3. 7.814967446

$$7 + \frac{8}{10} + \frac{1}{100} + \frac{4}{1000} + \frac{9}{10,000} + \frac{6}{100,000} + \frac{7}{1,000,000} + \frac{4}{10,000,000} + \frac{4}{100,000,000} + \frac{6}{1,000,000,000}$$

4. 9.947837582

$$9 + \frac{9}{10} + \frac{4}{100} + \frac{7}{1000} + \frac{8}{10,000} + \frac{3}{100,000} + \frac{7}{1,000,000} + \frac{5}{10,000,000} + \frac{8}{100,000,000} + \frac{2}{1,000,000,000}$$

5. 1.346033911

$$1 + \frac{3}{10} + \frac{4}{100} + \frac{6}{1000} + \frac{3}{100,000} + \frac{3}{1,000,000} + \frac{9}{10,000,000} + \frac{1}{100,000,000} + \frac{1}{1,000,000,000}$$

6. 7.044450604

$$7 + \frac{4}{100} + \frac{4}{1000} + \frac{4}{10,000} + \frac{5}{100,000} + \frac{6}{1,000,000} + \frac{4}{10,000,000}$$

7. 3.083981396

$$3 + \frac{8}{100} + \frac{3}{1000} + \frac{9}{10,000} + \frac{8}{100,000} + \frac{1}{1,000,000} + \frac{3}{10,000,000} + \frac{9}{100,000,000} + \frac{6}{1,000,000,000}$$

8. 2.922409152

$$2 + \frac{9}{10} + \frac{2}{100} + \frac{2}{1000} + \frac{4}{10,000} + \frac{9}{1,000,000} + \frac{1}{10,000,000} + \frac{5}{100,000,000} + \frac{2}{1,000,000,000}$$

9. 9.748012888

$$9 + \frac{7}{10} + \frac{4}{100} + \frac{8}{1000} + \frac{1}{100,000} + \frac{2}{1,000,000} + \frac{8}{10,000,000} + \frac{8}{100,000,000} + \frac{8}{1,000,000,000}$$

10. 3.055357444

$$3 + \frac{5}{100} + \frac{5}{1000} + \frac{3}{10,000} + \frac{5}{100,000} + \frac{7}{1,000,000} + \frac{4}{10,000,000} + \frac{4}{100,000,000} + \frac{4}{1,000,000,000}$$

## Expanded Form With Decimals (G)

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

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

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

1. 1.083090185
2. 7.052409906
3. 7.088224196
4. 8.631410614
5. 1.407720155
6. 9.237911675
7. 1.771588151
8. 7.604567549
9. 4.569432053
10. 4.222801048

## Expanded Form With Decimals (G) Answers

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

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

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

1. 1.083090185

$$1 + \frac{8}{100} + \frac{3}{1000} + \frac{9}{100,000} + \frac{1}{10,000,000} + \frac{8}{100,000,000} + \frac{5}{1,000,000,000}$$

2. 7.052409906

$$7 + \frac{5}{100} + \frac{2}{1000} + \frac{4}{10,000} + \frac{9}{1,000,000} + \frac{9}{10,000,000} + \frac{6}{1,000,000,000}$$

3. 7.088224196

$$7 + \frac{8}{100} + \frac{8}{1000} + \frac{2}{10,000} + \frac{2}{100,000} + \frac{4}{1,000,000} + \frac{1}{10,000,000} + \frac{9}{100,000,000} + \frac{6}{1,000,000,000}$$

4. 8.631410614

$$8 + \frac{6}{10} + \frac{3}{100} + \frac{1}{1000} + \frac{4}{10,000} + \frac{1}{100,000} + \frac{6}{10,000,000} + \frac{1}{100,000,000} + \frac{4}{1,000,000,000}$$

5. 1.407720155

$$1 + \frac{4}{10} + \frac{7}{1000} + \frac{7}{10,000} + \frac{2}{100,000} + \frac{1}{10,000,000} + \frac{5}{100,000,000} + \frac{5}{1,000,000,000}$$

6. 9.237911675

$$9 + \frac{2}{10} + \frac{3}{100} + \frac{7}{1000} + \frac{9}{10,000} + \frac{1}{100,000} + \frac{1}{1,000,000} + \frac{6}{10,000,000} + \frac{7}{100,000,000} + \frac{5}{1,000,000,000}$$

7. 1.771588151

$$1 + \frac{7}{10} + \frac{7}{100} + \frac{1}{1000} + \frac{5}{10,000} + \frac{8}{100,000} + \frac{8}{1,000,000} + \frac{1}{10,000,000} + \frac{5}{100,000,000} + \frac{1}{1,000,000,000}$$

8. 7.604567549

$$7 + \frac{6}{10} + \frac{4}{1000} + \frac{5}{10,000} + \frac{6}{100,000} + \frac{7}{1,000,000} + \frac{5}{10,000,000} + \frac{4}{100,000,000} + \frac{9}{1,000,000,000}$$

9. 4.569432053

$$4 + \frac{5}{10} + \frac{6}{100} + \frac{9}{1000} + \frac{4}{10,000} + \frac{3}{100,000} + \frac{2}{1,000,000} + \frac{5}{100,000,000} + \frac{3}{1,000,000,000}$$

10. 4.222801048

$$4 + \frac{2}{10} + \frac{2}{100} + \frac{2}{1000} + \frac{8}{10,000} + \frac{1}{1,000,000} + \frac{4}{100,000,000} + \frac{8}{1,000,000,000}$$

## Expanded Form With Decimals (H)

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

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

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

1. 8.659869743
2. 1.112149319
3. 8.388773103
4. 9.406947017
5. 5.896260237
6. 4.907285399
7. 3.794999195
8. 7.462956368
9. 4.792474388
10. 4.200708365

## Expanded Form With Decimals (H) Answers

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

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

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

1. 8.659869743

$$8 + \frac{6}{10} + \frac{5}{100} + \frac{9}{1000} + \frac{8}{10,000} + \frac{6}{100,000} + \frac{9}{1,000,000} + \frac{7}{10,000,000} + \frac{4}{100,000,000} + \frac{3}{1,000,000,000}$$

2. 1.112149319

$$1 + \frac{1}{10} + \frac{1}{100} + \frac{2}{1000} + \frac{1}{10,000} + \frac{4}{100,000} + \frac{9}{1,000,000} + \frac{3}{10,000,000} + \frac{1}{100,000,000} + \frac{9}{1,000,000,000}$$

3. 8.388773103

$$8 + \frac{3}{10} + \frac{8}{100} + \frac{8}{1000} + \frac{7}{10,000} + \frac{7}{100,000} + \frac{3}{1,000,000} + \frac{1}{10,000,000} + \frac{3}{1,000,000,000}$$

4. 9.406947017

$$9 + \frac{4}{10} + \frac{6}{1000} + \frac{9}{10,000} + \frac{4}{100,000} + \frac{7}{1,000,000} + \frac{1}{100,000,000} + \frac{7}{1,000,000,000}$$

5. 5.896260237

$$5 + \frac{8}{10} + \frac{9}{100} + \frac{6}{1000} + \frac{2}{10,000} + \frac{6}{100,000} + \frac{2}{10,000,000} + \frac{3}{100,000,000} + \frac{7}{1,000,000,000}$$

6. 4.907285399

$$4 + \frac{9}{10} + \frac{7}{1000} + \frac{2}{10,000} + \frac{8}{100,000} + \frac{5}{1,000,000} + \frac{3}{10,000,000} + \frac{9}{100,000,000} + \frac{9}{1,000,000,000}$$

7. 3.794999195

$$3 + \frac{7}{10} + \frac{9}{100} + \frac{4}{1000} + \frac{9}{10,000} + \frac{9}{100,000} + \frac{9}{1,000,000} + \frac{1}{10,000,000} + \frac{9}{100,000,000} + \frac{5}{1,000,000,000}$$

8. 7.462956368

$$7 + \frac{4}{10} + \frac{6}{100} + \frac{2}{1000} + \frac{9}{10,000} + \frac{5}{100,000} + \frac{6}{1,000,000} + \frac{3}{10,000,000} + \frac{6}{100,000,000} + \frac{8}{1,000,000,000}$$

9. 4.792474388

$$4 + \frac{7}{10} + \frac{9}{100} + \frac{2}{1000} + \frac{4}{10,000} + \frac{7}{100,000} + \frac{4}{1,000,000} + \frac{3}{10,000,000} + \frac{8}{100,000,000} + \frac{8}{1,000,000,000}$$

10. 4.200708365

$$4 + \frac{2}{10} + \frac{7}{10,000} + \frac{8}{1,000,000} + \frac{3}{10,000,000} + \frac{6}{100,000,000} + \frac{5}{1,000,000,000}$$



## Expanded Form With Decimals (I)

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

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

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

1. 8.806171186
2. 6.888225917
3. 2.730115218
4. 1.119787746
5. 3.300001626
6. 5.118179415
7. 1.835546841
8. 6.027923335
9. 2.437813511
10. 9.418236741

## Expanded Form With Decimals (I) Answers

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

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

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

1. 8.806171186

$$8 + \frac{8}{10} + \frac{6}{1000} + \frac{1}{10,000} + \frac{7}{100,000} + \frac{1}{1,000,000} + \frac{1}{10,000,000} + \frac{8}{100,000,000} + \frac{6}{1,000,000,000}$$

2. 6.888225917

$$6 + \frac{8}{10} + \frac{8}{100} + \frac{8}{1000} + \frac{2}{10,000} + \frac{2}{100,000} + \frac{5}{1,000,000} + \frac{9}{10,000,000} + \frac{1}{100,000,000} + \frac{7}{1,000,000,000}$$

3. 2.730115218

$$2 + \frac{7}{10} + \frac{3}{100} + \frac{1}{10,000} + \frac{1}{100,000} + \frac{5}{1,000,000} + \frac{2}{10,000,000} + \frac{1}{100,000,000} + \frac{8}{1,000,000,000}$$

4. 1.119787746

$$1 + \frac{1}{10} + \frac{1}{100} + \frac{9}{1000} + \frac{7}{10,000} + \frac{8}{100,000} + \frac{7}{1,000,000} + \frac{7}{10,000,000} + \frac{4}{100,000,000} + \frac{6}{1,000,000,000}$$

5. 3.300001626

$$3 + \frac{3}{10} + \frac{1}{1,000,000} + \frac{6}{10,000,000} + \frac{2}{100,000,000} + \frac{6}{1,000,000,000}$$

6. 5.118179415

$$5 + \frac{1}{10} + \frac{1}{100} + \frac{8}{1000} + \frac{1}{10,000} + \frac{7}{100,000} + \frac{9}{1,000,000} + \frac{4}{10,000,000} + \frac{1}{100,000,000} + \frac{5}{1,000,000,000}$$

7. 1.835546841

$$1 + \frac{8}{10} + \frac{3}{100} + \frac{5}{1000} + \frac{5}{10,000} + \frac{4}{100,000} + \frac{6}{1,000,000} + \frac{8}{10,000,000} + \frac{4}{100,000,000} + \frac{1}{1,000,000,000}$$

8. 6.027923335

$$6 + \frac{2}{100} + \frac{7}{1000} + \frac{9}{10,000} + \frac{2}{100,000} + \frac{3}{1,000,000} + \frac{3}{10,000,000} + \frac{3}{100,000,000} + \frac{5}{1,000,000,000}$$

9. 2.437813511

$$2 + \frac{4}{10} + \frac{3}{100} + \frac{7}{1000} + \frac{8}{10,000} + \frac{1}{100,000} + \frac{3}{1,000,000} + \frac{5}{10,000,000} + \frac{1}{100,000,000} + \frac{1}{1,000,000,000}$$

10. 9.418236741

$$9 + \frac{4}{10} + \frac{1}{100} + \frac{8}{1000} + \frac{2}{10,000} + \frac{3}{100,000} + \frac{6}{1,000,000} + \frac{7}{10,000,000} + \frac{4}{100,000,000} + \frac{1}{1,000,000,000}$$

## Expanded Form With Decimals (J)

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

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

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

1. 6.352070655
2. 6.998578204
3. 2.504143688
4. 3.012161174
5. 1.854091113
6. 6.800758896
7. 7.690827822
8. 4.610080938
9. 3.872747191
10. 6.401959219

## Expanded Form With Decimals (J) Answers

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

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

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

1. 6.352070655

$$6 + \frac{3}{10} + \frac{5}{100} + \frac{2}{1000} + \frac{7}{100,000} + \frac{6}{10,000,000} + \frac{5}{100,000,000} + \frac{5}{1,000,000,000}$$

2. 6.998578204

$$6 + \frac{9}{10} + \frac{9}{100} + \frac{8}{1000} + \frac{5}{10,000} + \frac{7}{100,000} + \frac{8}{1,000,000} + \frac{2}{10,000,000} + \frac{4}{1,000,000,000}$$

3. 2.504143688

$$2 + \frac{5}{10} + \frac{4}{1000} + \frac{1}{10,000} + \frac{4}{100,000} + \frac{3}{1,000,000} + \frac{6}{10,000,000} + \frac{8}{100,000,000} + \frac{8}{1,000,000,000}$$

4. 3.012161174

$$3 + \frac{1}{100} + \frac{2}{1000} + \frac{1}{10,000} + \frac{6}{100,000} + \frac{1}{1,000,000} + \frac{1}{10,000,000} + \frac{7}{100,000,000} + \frac{4}{1,000,000,000}$$

5. 1.854091113

$$1 + \frac{8}{10} + \frac{5}{100} + \frac{4}{1000} + \frac{9}{100,000} + \frac{1}{1,000,000} + \frac{1}{10,000,000} + \frac{1}{100,000,000} + \frac{3}{1,000,000,000}$$

6. 6.800758896

$$6 + \frac{8}{10} + \frac{7}{10,000} + \frac{5}{100,000} + \frac{8}{1,000,000} + \frac{8}{10,000,000} + \frac{9}{100,000,000} + \frac{6}{1,000,000,000}$$

7. 7.690827822

$$7 + \frac{6}{10} + \frac{9}{100} + \frac{8}{10,000} + \frac{2}{100,000} + \frac{7}{1,000,000} + \frac{8}{10,000,000} + \frac{2}{100,000,000} + \frac{2}{1,000,000,000}$$

8. 4.610080938

$$4 + \frac{6}{10} + \frac{1}{100} + \frac{8}{100,000} + \frac{9}{10,000,000} + \frac{3}{100,000,000} + \frac{8}{1,000,000,000}$$

9. 3.872747191

$$3 + \frac{8}{10} + \frac{7}{100} + \frac{2}{1000} + \frac{7}{10,000} + \frac{4}{100,000} + \frac{7}{1,000,000} + \frac{1}{10,000,000} + \frac{9}{100,000,000} + \frac{1}{1,000,000,000}$$

10. 6.401959219

$$6 + \frac{4}{10} + \frac{1}{1000} + \frac{9}{10,000} + \frac{5}{100,000} + \frac{9}{1,000,000} + \frac{2}{10,000,000} + \frac{1}{100,000,000} + \frac{9}{1,000,000,000}$$