

Expanded Form With Decimals (E)

Name: _____

Date: _____

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

1. 8.15149681
2. 1.94379778
3. 4.59737613
4. 1.46481566
5. 9.40933403
6. 4.52083238
7. 7.38858586
8. 1.64848519
9. 7.08116021
10. 8.94596235

Expanded Form With Decimals (E) Answers

Name: _____

Date: _____

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

1. 8.15149681

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

2. 1.94379778

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

3. 4.59737613

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

4. 1.46481566

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

5. 9.40933403

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

6. 4.52083238

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

7. 7.38858586

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

8. 1.64848519

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

9. 7.08116021

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

10. 8.94596235

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