

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

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