

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

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