

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

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