Expanded Factors Form With Decimals (I)

Name: _____ Date: _____

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

1. 4.17767

2. 7.33203

3. 2.35071

4. 5.04135

5. 3.20767

6. 2.13646

7. 1.87556

8. 8.47507

9. 9.96462

10. 2.60371

Expanded Factors Form With Decimals (I) Answers

Name: _____

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

1. 4.17767

$(4 \times 1) + (1 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (7 \times \frac{1}{1000}) + (6 \times \frac{1}{10,000}) + (7 \times \frac{1}{100,000})$

2. 7.33203

$(7 \times 1) + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (3 \times \frac{1}{100,000})$

3. 2.35071

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

4. 5.04135

$(5 \times 1) + (4 \times \frac{1}{100}) + (1 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (5 \times \frac{1}{100,000})$

5. 3.20767

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

6. 2.13646

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

7. 1.87556

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

8. 8.47507

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

9. 9.96462

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

10. 2.60371

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