Expanded Factors Form With Decimals (F)

Name: _____ Date: _____

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

1. 3.4261015

2. 9.9832941

3. 4.7548584

4. 7.4637616

5. 8.4613987

6. 4.6073088

7. 7.7243464

8. 7.0967366

9. 4.9087002

10. 2.8250751

Expanded Factors Form With Decimals (F) Answers

Name: _____ Date: _____

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

1. 3.4261015

$(3 \times 1) + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (1 \times \frac{1}{10,000}) + (1 \times \frac{1}{1,000,000}) + (5 \times \frac{1}{10,000,000})$

2. 9.9832941

$(9\times1)+(9\times\frac{1}{10})+(8\times\frac{1}{100})+(3\times\frac{1}{1000})+(2\times\frac{1}{10,000})+(9\times\frac{1}{100,000})+(4\times\frac{1}{1,000,000})+(1\times\frac{1}{10,000,000})$

3. 4.7548584

$(4\times1)+(7\times\frac{1}{10})+(5\times\frac{1}{100})+(4\times\frac{1}{1000})+(8\times\frac{1}{10,000})+(5\times\frac{1}{100,000})+(8\times\frac{1}{1,000,000})+(4\times\frac{1}{10,000,000})$

4. 7.4637616

$(7\times1)+(4\times\frac{1}{10})+(6\times\frac{1}{100})+(3\times\frac{1}{1000})+(7\times\frac{1}{10,000})+(6\times\frac{1}{100,000})+(1\times\frac{1}{1,000,000})+(6\times\frac{1}{10,000,000})$

5. 8.4613987

$(8\times1)+(4\times\frac{1}{10})+(6\times\frac{1}{100})+(1\times\frac{1}{1000})+(3\times\frac{1}{10,000})+(9\times\frac{1}{100,000})+(8\times\frac{1}{1,000,000})+(7\times\frac{1}{10,000,000})$

6. 4.6073088

$(4 \times 1) + (6 \times \frac{1}{10}) + (7 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (8 \times \frac{1}{1,000,000}) + (8 \times \frac{1}{10,000,000})$

7. 7.7243464

$(7\times1)+(7\times\frac{1}{10})+(2\times\frac{1}{100})+(4\times\frac{1}{1000})+(3\times\frac{1}{10,000})+(4\times\frac{1}{100,000})+(6\times\frac{1}{1,000,000})+(4\times\frac{1}{10,000,000})$

8. 7.0967366

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

9. 4.9087002

$(4 \times 1) + (9 \times \frac{1}{10}) + (8 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000}) + (2 \times \frac{1}{10,000,000})$

10. 2.8250751

$(2 \times 1) + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) + (7 \times \frac{1}{100,000}) + (5 \times \frac{1}{1,000,000}) + (1 \times \frac{1}{10,000,000})$