

Expanded Factors Form With Decimals (B)

Name: _____

Date: _____

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

1. 3.99317

2. 7.82935

3. 6.90096

4. 4.76502

5. 5.11521

6. 1.65679

7. 2.32629

8. 7.71376

9. 9.74772

10. 1.18458

Expanded Factors Form With Decimals (B) Answers

Name: _____

Date: _____

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

1. **3.99317**

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

2. **7.82935**

$$(7 \times 1) + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (5 \times \frac{1}{100,000})$$

3. **6.90096**

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

4. **4.76502**

$$(4 \times 1) + (7 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) + (2 \times \frac{1}{100,000})$$

5. **5.11521**

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

6. **1.65679**

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

7. **2.32629**

$$(2 \times 1) + (3 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (2 \times \frac{1}{10,000}) + (9 \times \frac{1}{100,000})$$

8. **7.71376**

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

9. **9.74772**

$$(9 \times 1) + (7 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (7 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000}) + (2 \times \frac{1}{100,000})$$

10. **1.18458**

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