

Expanded Factors Form With Decimals (D)

Name: _____

Date: _____

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

1. 5.4012

2. 8.1427

3. 8.4542

4. 2.5545

5. 1.1998

6. 6.3422

7. 2.3149

8. 2.5223

9. 4.3415

10. 2.1183

Expanded Factors Form With Decimals (D) Answers

Name: _____

Date: _____

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

1. **5.4012**

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

2. **8.1427**

$$(8 \times 1) + (1 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000})$$

3. **8.4542**

$$(8 \times 1) + (4 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (2 \times \frac{1}{10,000})$$

4. **2.5545**

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

5. **1.1998**

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

6. **6.3422**

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

7. **2.3149**

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

8. **2.5223**

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

9. **4.3415**

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

10. **2.1183**

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