

Expanded Factors Form With Decimals (G)

Name: _____

Date: _____

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

1. 3.5284

2. 2.2817

3. 5.5055

4. 5.6973

5. 8.3344

6. 8.4587

7. 2.5731

8. 9.9888

9. 3.8179

10. 1.6726

Expanded Factors Form With Decimals (G) Answers

Name: _____

Date: _____

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

1. **3.5284**

$$(3 \times 1) + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (8 \times \frac{1}{1000}) + (4 \times \frac{1}{10,000})$$

2. **2.2817**

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

3. **5.5055**

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

4. **5.6973**

$$(5 \times 1) + (6 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (7 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000})$$

5. **8.3344**

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

6. **8.4587**

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

7. **2.5731**

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

8. **9.9888**

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

9. **3.8179**

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

10. **1.6726**

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