

## Expanded Factors Form With Decimals (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1. 2.24414875
2. 2.98822148
3. 8.25767411
4. 5.11864572
5. 8.23690756
6. 5.08926228
7. 5.99623218
8. 9.42272664
9. 8.80606593
10. 4.77274009

# Expanded Factors Form With Decimals (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1. **2.24414875**

$$(2 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (1 \times \frac{1}{10,000}) + (4 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000}) + (7 \times \frac{1}{10,000,000}) + (5 \times \frac{1}{100,000,000})$$

2. **2.98822148**

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

3. **8.25767411**

$$(8 \times 1) + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (7 \times \frac{1}{1000}) + (6 \times \frac{1}{10,000}) + (7 \times \frac{1}{100,000}) + (4 \times \frac{1}{1,000,000}) + (1 \times \frac{1}{10,000,000}) + (1 \times \frac{1}{100,000,000})$$

4. **5.11864572**

$$(5 \times 1) + (1 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (8 \times \frac{1}{1000}) + (6 \times \frac{1}{10,000}) + (4 \times \frac{1}{100,000}) + (5 \times \frac{1}{1,000,000}) + (7 \times \frac{1}{10,000,000}) + (2 \times \frac{1}{100,000,000})$$

5. **8.23690756**

$$(8 \times 1) + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (9 \times \frac{1}{10,000}) + (7 \times \frac{1}{100,000}) + (5 \times \frac{1}{1,000,000}) + (6 \times \frac{1}{10,000,000})$$

6. **5.08926228**

$$(5 \times 1) + (8 \times \frac{1}{100}) + (9 \times \frac{1}{1000}) + (2 \times \frac{1}{10,000}) + (6 \times \frac{1}{100,000}) + (2 \times \frac{1}{1,000,000}) + (2 \times \frac{1}{10,000,000}) + (8 \times \frac{1}{100,000,000})$$

7. **5.99623218**

$$(5 \times 1) + (9 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (2 \times \frac{1}{10,000}) + (3 \times \frac{1}{100,000}) + (2 \times \frac{1}{1,000,000}) + (1 \times \frac{1}{10,000,000}) + (8 \times \frac{1}{100,000,000})$$

8. **9.42272664**

$$(9 \times 1) + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000}) + (2 \times \frac{1}{100,000}) + (6 \times \frac{1}{1,000,000}) + (6 \times \frac{1}{10,000,000}) + (4 \times \frac{1}{100,000,000})$$

9. **8.80606593**

$$(8 \times 1) + (8 \times \frac{1}{10}) + (6 \times \frac{1}{1000}) + (6 \times \frac{1}{100,000}) + (5 \times \frac{1}{1,000,000}) + (9 \times \frac{1}{10,000,000}) + (3 \times \frac{1}{100,000,000})$$

10. **4.77274009**

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