

## Expanded Exponential Form With Decimals (J)

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

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

Convert each standard form decimal number to expanded exponential form.

1. 1.171

2. 4.314

3. 7.448

4. 1.514

5. 1.059

6. 8.846

7. 7.579

8. 5.009

9. 8.957

10. 1.042

## Expanded Exponential Form With Decimals (J) Answers

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

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

Convert each standard form decimal number to expanded exponential form.

1. **1.171**

$$(1 \times 10^0) + (1 \times 10^{-1}) + (7 \times 10^{-2}) + (1 \times 10^{-3})$$

2. **4.314**

$$(4 \times 10^0) + (3 \times 10^{-1}) + (1 \times 10^{-2}) + (4 \times 10^{-3})$$

3. **7.448**

$$(7 \times 10^0) + (4 \times 10^{-1}) + (4 \times 10^{-2}) + (8 \times 10^{-3})$$

4. **1.514**

$$(1 \times 10^0) + (5 \times 10^{-1}) + (1 \times 10^{-2}) + (4 \times 10^{-3})$$

5. **1.059**

$$(1 \times 10^0) + (5 \times 10^{-2}) + (9 \times 10^{-3})$$

6. **8.846**

$$(8 \times 10^0) + (8 \times 10^{-1}) + (4 \times 10^{-2}) + (6 \times 10^{-3})$$

7. **7.579**

$$(7 \times 10^0) + (5 \times 10^{-1}) + (7 \times 10^{-2}) + (9 \times 10^{-3})$$

8. **5.009**

$$(5 \times 10^0) + (9 \times 10^{-3})$$

9. **8.957**

$$(8 \times 10^0) + (9 \times 10^{-1}) + (5 \times 10^{-2}) + (7 \times 10^{-3})$$

10. **1.042**

$$(1 \times 10^0) + (4 \times 10^{-2}) + (2 \times 10^{-3})$$