

## Expanded Exponential Form With Decimals (A)

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

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

Convert each standard form decimal number to expanded exponential form.

1. 2.827

2. 4.401

3. 7.872

4. 6.504

5. 1.578

6. 9.894

7. 6.223

8. 2.559

9. 7.289

10. 2.646

## Expanded Exponential Form With Decimals (A) Answers

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

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

Convert each standard form decimal number to expanded exponential form.

1. **2.827**

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

2. **4.401**

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

3. **7.872**

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

4. **6.504**

$$(6 \times 10^0) + (5 \times 10^{-1}) + (4 \times 10^{-3})$$

5. **1.578**

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

6. **9.894**

$$(9 \times 10^0) + (8 \times 10^{-1}) + (9 \times 10^{-2}) + (4 \times 10^{-3})$$

7. **6.223**

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

8. **2.559**

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

9. **7.289**

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

10. **2.646**

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