

## Expanded Exponential Form With Decimals (B)

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

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

Convert each standard form decimal number to expanded exponential form.

1. 9.628

2. 8.825

3. 3.955

4. 7.406

5. 9.756

6. 2.077

7. 3.232

8. 8.021

9. 3.256

10. 3.854

## Expanded Exponential Form With Decimals (B) Answers

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

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

Convert each standard form decimal number to expanded exponential form.

1. **9.628**

$$(9 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (8 \times 10^{-3})$$

2. **8.825**

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

3. **3.955**

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

4. **7.406**

$$(7 \times 10^0) + (4 \times 10^{-1}) + (6 \times 10^{-3})$$

5. **9.756**

$$(9 \times 10^0) + (7 \times 10^{-1}) + (5 \times 10^{-2}) + (6 \times 10^{-3})$$

6. **2.077**

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

7. **3.232**

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

8. **8.021**

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

9. **3.256**

$$(3 \times 10^0) + (2 \times 10^{-1}) + (5 \times 10^{-2}) + (6 \times 10^{-3})$$

10. **3.854**

$$(3 \times 10^0) + (8 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-3})$$