

## Expanded Exponential Form With Decimals (D)

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

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

Convert each standard form decimal number to expanded exponential form.

1. 3.329

2. 8.174

3. 4.302

4. 8.489

5. 5.775

6. 1.856

7. 7.627

8. 9.891

9. 3.891

10. 8.968

## Expanded Exponential Form With Decimals (D) Answers

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

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

Convert each standard form decimal number to expanded exponential form.

1. **3.329**

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

2. **8.174**

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

3. **4.302**

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

4. **8.489**

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

5. **5.775**

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

6. **1.856**

$$(1 \times 10^0) + (8 \times 10^{-1}) + (5 \times 10^{-2}) + (6 \times 10^{-3})$$

7. **7.627**

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

8. **9.891**

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

9. **3.891**

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

10. **8.968**

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