

## Expanded Exponential Form With Decimals (A)

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

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

Convert each standard form decimal number to expanded exponential form.

1. 4.950796

2. 6.160593

3. 8.197473

4. 8.393428

5. 2.212194

6. 4.150438

7. 7.627447

8. 2.231971

9. 1.651447

10. 8.446146

## Expanded Exponential Form With Decimals (A) Answers

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

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

Convert each standard form decimal number to expanded exponential form.

1. **4.950796**

$$(4 \times 10^0) + (9 \times 10^{-1}) + (5 \times 10^{-2}) + (7 \times 10^{-4}) + (9 \times 10^{-5}) + (6 \times 10^{-6})$$

2. **6.160593**

$$(6 \times 10^0) + (1 \times 10^{-1}) + (6 \times 10^{-2}) + (5 \times 10^{-4}) + (9 \times 10^{-5}) + (3 \times 10^{-6})$$

3. **8.197473**

$$(8 \times 10^0) + (1 \times 10^{-1}) + (9 \times 10^{-2}) + (7 \times 10^{-3}) + (4 \times 10^{-4}) + (7 \times 10^{-5}) + (3 \times 10^{-6})$$

4. **8.393428**

$$(8 \times 10^0) + (3 \times 10^{-1}) + (9 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (2 \times 10^{-5}) + (8 \times 10^{-6})$$

5. **2.212194**

$$(2 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (2 \times 10^{-3}) + (1 \times 10^{-4}) + (9 \times 10^{-5}) + (4 \times 10^{-6})$$

6. **4.150438**

$$(4 \times 10^0) + (1 \times 10^{-1}) + (5 \times 10^{-2}) + (4 \times 10^{-4}) + (3 \times 10^{-5}) + (8 \times 10^{-6})$$

7. **7.627447**

$$(7 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2}) + (7 \times 10^{-3}) + (4 \times 10^{-4}) + (4 \times 10^{-5}) + (7 \times 10^{-6})$$

8. **2.231971**

$$(2 \times 10^0) + (2 \times 10^{-1}) + (3 \times 10^{-2}) + (1 \times 10^{-3}) + (9 \times 10^{-4}) + (7 \times 10^{-5}) + (1 \times 10^{-6})$$

9. **1.651447**

$$(1 \times 10^0) + (6 \times 10^{-1}) + (5 \times 10^{-2}) + (1 \times 10^{-3}) + (4 \times 10^{-4}) + (4 \times 10^{-5}) + (7 \times 10^{-6})$$

10. **8.446146**

$$(8 \times 10^0) + (4 \times 10^{-1}) + (4 \times 10^{-2}) + (6 \times 10^{-3}) + (1 \times 10^{-4}) + (4 \times 10^{-5}) + (6 \times 10^{-6})$$