

## Expanded Factors Form With Decimals (A)

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. 4.5187216

2. 5.0428095

3. 5.4887104

4. 3.1529974

5. 7.8734849

6. 9.8898919

7. 8.6982635

8. 9.0289274

9. 4.7471986

10. 2.3055596

# Expanded Factors Form With Decimals (A) Answers

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

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

Convert each standard form decimal number to expanded factors form using decimals.

1. **4.5187216**

$$(4 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (8 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (1 \times 0.000001) + (6 \times 0.0000001)$$

2. **5.0428095**

$$(5 \times 1) + (4 \times 0.01) + (2 \times 0.001) + (8 \times 0.0001) + (9 \times 0.000001) + (5 \times 0.0000001)$$

3. **5.4887104**

$$(5 \times 1) + (4 \times 0.1) + (8 \times 0.01) + (8 \times 0.001) + (7 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.0000001)$$

4. **3.1529974**

$$(3 \times 1) + (1 \times 0.1) + (5 \times 0.01) + (2 \times 0.001) + (9 \times 0.0001) + (9 \times 0.00001) + (7 \times 0.000001) + (4 \times 0.0000001)$$

5. **7.8734849**

$$(7 \times 1) + (8 \times 0.1) + (7 \times 0.01) + (3 \times 0.001) + (4 \times 0.0001) + (8 \times 0.00001) + (4 \times 0.000001) + (9 \times 0.0000001)$$

6. **9.8898919**

$$(9 \times 1) + (8 \times 0.1) + (8 \times 0.01) + (9 \times 0.001) + (8 \times 0.0001) + (9 \times 0.00001) + (1 \times 0.000001) + (9 \times 0.0000001)$$

7. **8.6982635**

$$(8 \times 1) + (6 \times 0.1) + (9 \times 0.01) + (8 \times 0.001) + (2 \times 0.0001) + (6 \times 0.00001) + (3 \times 0.000001) + (5 \times 0.0000001)$$

8. **9.0289274**

$$(9 \times 1) + (2 \times 0.01) + (8 \times 0.001) + (9 \times 0.0001) + (2 \times 0.00001) + (7 \times 0.000001) + (4 \times 0.0000001)$$

9. **4.7471986**

$$(4 \times 1) + (7 \times 0.1) + (4 \times 0.01) + (7 \times 0.001) + (1 \times 0.0001) + (9 \times 0.00001) + (8 \times 0.000001) + (6 \times 0.0000001)$$

10. **2.3055596**

$$(2 \times 1) + (3 \times 0.1) + (5 \times 0.001) + (5 \times 0.0001) + (5 \times 0.00001) + (9 \times 0.000001) + (6 \times 0.0000001)$$