

Expanded Factors Form With Decimals (G)

Name: _____

Date: _____

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

1. 9.1196809

2. 1.7122439

3. 8.4645913

4. 3.7195117

5. 5.5423348

6. 4.0578496

7. 7.3465328

8. 8.2414374

9. 3.0078202

10. 3.5157244

Expanded Factors Form With Decimals (G) Answers

Name: _____

Date: _____

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

1. **9.1196809**

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

2. **1.7122439**

$$(1 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (4 \times 0.00001) + (3 \times 0.0000001) + (9 \times 0.00000001)$$

3. **8.4645913**

$$(8 \times 1) + (4 \times 0.1) + (6 \times 0.01) + (4 \times 0.001) + (5 \times 0.0001) + (9 \times 0.00001) + (1 \times 0.0000001) + (3 \times 0.00000001)$$

4. **3.7195117**

$$(3 \times 1) + (7 \times 0.1) + (1 \times 0.01) + (9 \times 0.001) + (5 \times 0.0001) + (1 \times 0.00001) + (1 \times 0.0000001) + (7 \times 0.00000001)$$

5. **5.5423348**

$$(5 \times 1) + (5 \times 0.1) + (4 \times 0.01) + (2 \times 0.001) + (3 \times 0.0001) + (3 \times 0.00001) + (4 \times 0.0000001) + (8 \times 0.00000001)$$

6. **4.0578496**

$$(4 \times 1) + (5 \times 0.01) + (7 \times 0.001) + (8 \times 0.0001) + (4 \times 0.00001) + (9 \times 0.000001) + (6 \times 0.0000001)$$

7. **7.3465328**

$$(7 \times 1) + (3 \times 0.1) + (4 \times 0.01) + (6 \times 0.001) + (5 \times 0.0001) + (3 \times 0.00001) + (2 \times 0.0000001) + (8 \times 0.00000001)$$

8. **8.2414374**

$$(8 \times 1) + (2 \times 0.1) + (4 \times 0.01) + (1 \times 0.001) + (4 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.0000001) + (4 \times 0.00000001)$$

9. **3.0078202**

$$(3 \times 1) + (7 \times 0.001) + (8 \times 0.0001) + (2 \times 0.00001) + (2 \times 0.0000001)$$

10. **3.5157244**

$$(3 \times 1) + (5 \times 0.1) + (1 \times 0.01) + (5 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (4 \times 0.0000001) + (4 \times 0.00000001)$$