Expanded Factors Form With Decimals (G)

Name: _____ Date: _____

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

1. 4.17088992

2. 9.07771143

3. 7.43441476

4. 9.82121391

5. 1.28228182

6. 4.87383711

7. 4.21006268

8. 1.25855281

9. 8.06057373

10. 2.35434619

Expanded Factors Form With Decimals (G) Answers

Name: _____ Date: _____

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

1. 4.17088992

   $(4 \times 1) + (1 \times 0.1) + (7 \times 0.01) + (8 \times 0.0001) + (8 \times 0.00001) + (9 \times 0.000001) + (9 \times 0.0000001) + (2 \times 0.00000001)$

2. 9.07771143

   $(9 \times 1) + (7 \times 0.01) + (7 \times 0.001) + (7 \times 0.0001) + (1 \times 0.00001) + (1 \times 0.000001) + (4 \times 0.0000001) + (3 \times 0.00000001)$

3. 7.43441476

   $(7 \times 1) + (4 \times 0.1) + (3 \times 0.01) + (4 \times 0.001) + (4 \times 0.0001) + (1 \times 0.00001) + (4 \times 0.000001) + (7 \times 0.0000001) + (6 \times 0.00000001)$

4. 9.82121391

   $(9 \times 1) + (8 \times 0.1) + (2 \times 0.01) + (1 \times 0.001) + (2 \times 0.0001) + (1 \times 0.00001) + (3 \times 0.000001) + (9 \times 0.0000001) + (1 \times 0.00000001)$

5. 1.28228182

   $(1 \times 1) + (2 \times 0.1) + (8 \times 0.01) + (2 \times 0.001) + (2 \times 0.0001) + (8 \times 0.00001) + (1 \times 0.000001) + (8 \times 0.0000001) + (2 \times 0.00000001)$

6. 4.87383711

   $(4 \times 1) + (8 \times 0.1) + (7 \times 0.01) + (3 \times 0.001) + (8 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (1 \times 0.0000001) + (1 \times 0.00000001)$

7. 4.21006268

   $(4 \times 1) + (2 \times 0.1) + (1 \times 0.01) + (6 \times 0.00001) + (2 \times 0.000001) + (6 \times 0.0000001) + (8 \times 0.00000001)$

8. 1.25855281

   $(1 \times 1) + (2 \times 0.1) + (5 \times 0.01) + (8 \times 0.001) + (5 \times 0.0001) + (5 \times 0.00001) + (2 \times 0.000001) + (8 \times 0.0000001) + (1 \times 0.00000001)$

9. 8.06057373

   $(8 \times 1) + (6 \times 0.01) + (5 \times 0.0001) + (7 \times 0.00001) + (3 \times 0.000001) + (7 \times 0.0000001) + (3 \times 0.00000001)$

10. 2.35434619

    $(2 \times 1) + (3 \times 0.1) + (5 \times 0.01) + (4 \times 0.001) + (3 \times 0.0001) + (4 \times 0.00001) + (6 \times 0.000001) + (1 \times 0.0000001) + (9 \times 0.00000001)$