Expanded Factors Form With Decimals (H)

Name: _____ Date: _____

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

1. 7.8666973

2. 3.5920247

3. 1.7791199

4. 8.9220884

5. 8.8563763

6. 9.4247258

7. 7.6259378

8. 5.1785577

9. 7.1688696

10. 4.3308818

Expanded Factors Form With Decimals (H) Answers

Name: _____ Date: _____

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

1. 7.8666973

   $(7 \times 1) + (8 \times 0.1) + (6 \times 0.01) + (6 \times 0.001) + (6 \times 0.0001) + (9 \times 0.00001) + (7 \times 0.000001) + (3 \times 0.0000001)$

2. 3.5920247

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

3. 1.7791199

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

4. 8.9220884

   $(8 \times 1) + (9 \times 0.1) + (2 \times 0.01) + (2 \times 0.001) + (8 \times 0.00001) + (8 \times 0.000001) + (4 \times 0.0000001)$

5. 8.8563763

   $(8 \times 1) + (8 \times 0.1) + (5 \times 0.01) + (6 \times 0.001) + (3 \times 0.0001) + (7 \times 0.00001) + (6 \times 0.000001) + (3 \times 0.0000001)$

6. 9.4247258

   $(9 \times 1) + (4 \times 0.1) + (2 \times 0.01) + (4 \times 0.001) + (7 \times 0.0001) + (2 \times 0.00001) + (5 \times 0.000001) + (8 \times 0.0000001)$

7. 7.6259378

   $(7 \times 1) + (6 \times 0.1) + (2 \times 0.01) + (5 \times 0.001) + (9 \times 0.0001) + (3 \times 0.00001) + (7 \times 0.000001) + (8 \times 0.0000001)$

8. 5.1785577

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

9. 7.1688696

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

10. 4.3308818

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