Decimals in expanded notation

Grade 6 Place Value Worksheet

Write the numbers in expanded notation.

Example: $42.89 = 4 \times 10 + 2 \times 1 + 8 \times 0.1 + 9 \times 0.01$

1) 96,108.91 _____

2) 5,041.660 _____

3) 75,394.80 _____

4) 7,678.737 _____

5) 8,274.727 _____

6) 159,838.5 _____

7) 85,322.35 _____

8) 30,248.74 _____

9) 69,683.91 _____

10) 619,909.8 _____

11) 4,586.192 _____

12) 9,311.849 _____

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Write the numbers in expanded notation.

Example: $42.89 = 4 \times 10 + 2 \times 1 + 8 \times 0.1 + 9 \times 0.01$

1) 96,108.91 $9 \times 10000 + 6 \times 1000 + 1 \times 100 + 8 \times 1 + 9 \times 0.1 + 1 \times 0.01$

2) 5,041.660 $5 \times 1000 + 4 \times 10 + 1 \times 1 + 6 \times 0.1 + 6 \times 0.01$

3) 75,394.80 $7 \times 10000 + 5 \times 1000 + 3 \times 100 + 9 \times 10 + 4 \times 1 + 8 \times 0.1$

4) 7,678.737 $7 \times 1000 + 6 \times 100 + 7 \times 10 + 8 \times 1 + 7 \times 0.1 + 3 \times 0.01 + 7 \times 0.001$

5) 8,274.727 $8 \times 1000 + 2 \times 100 + 7 \times 10 + 4 \times 1 + 7 \times 0.1 + 2 \times 0.01 + 7 \times 0.001$

6) 159,838.5 $1 \times 100000 + 5 \times 10000 + 9 \times 1000 + 8 \times 100 + 3 \times 10 + 8 \times 1 + 5 \times 0.1$

7) 85,322.35 $8 \times 10000 + 5 \times 1000 + 3 \times 100 + 2 \times 10 + 2 \times 1 + 3 \times 0.1 + 5 \times 0.01$

8) 30,248.74 $3 \times 10000 + 2 \times 100 + 4 \times 10 + 8 \times 1 + 7 \times 0.1 + 4 \times 0.01$

9) 69,683.91 $6 \times 10000 + 9 \times 1000 + 6 \times 100 + 8 \times 10 + 3 \times 1 + 9 \times 0.1 + 1 \times 0.01$

10) 619,909.8 $6 \times 100000 + 1 \times 10000 + 9 \times 1000 + 9 \times 100 + 9 \times 1 + 8 \times 0.1$

11) 4,586.192 $4 \times 1000 + 5 \times 100 + 8 \times 10 + 6 \times 1 + 1 \times 0.1 + 9 \times 0.01 + 2 \times 0.001$

12) 9,311.849 $9 \times 1000 + 3 \times 100 + 1 \times 10 + 1 \times 1 + 8 \times 0.1 + 4 \times 0.01 + 9 \times 0.001$