

Decimals in expanded notation

Grade 5 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) 9,728.33 _____

2) 480.369 _____

3) 6,876.4 _____

4) 916.908 _____

5) 577.834 _____

6) 154.732 _____

7) 154.627 _____

8) 443.882 _____

9) 11,820.5 _____

10) 745.329 _____

11) 37,177.9 _____

12) 9,010.69 _____

13) 7,366.42 _____

14) 248.907 _____

15) 39,632.2 _____

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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) $9,728.33$ $9 \times 1000 + 7 \times 100 + 2 \times 10 + 8 \times 1 + 3 \times 0.1 + 3 \times 0.01$

2) 480.369 $4 \times 100 + 8 \times 10 + 3 \times 0.1 + 6 \times 0.01 + 9 \times 0.001$

3) $6,876.4$ $6 \times 1000 + 8 \times 100 + 7 \times 10 + 6 \times 1 + 4 \times 0.1$

4) 916.908 $9 \times 100 + 1 \times 10 + 6 \times 1 + 9 \times 0.1 + 8 \times 0.001$

5) 577.834 $5 \times 100 + 7 \times 10 + 7 \times 1 + 8 \times 0.1 + 3 \times 0.01 + 4 \times 0.001$

6) 154.732 $1 \times 100 + 5 \times 10 + 4 \times 1 + 7 \times 0.1 + 3 \times 0.01 + 2 \times 0.001$

7) 154.627 $1 \times 100 + 5 \times 10 + 4 \times 1 + 6 \times 0.1 + 2 \times 0.01 + 7 \times 0.001$

8) 443.882 $4 \times 100 + 4 \times 10 + 3 \times 1 + 8 \times 0.1 + 8 \times 0.01 + 2 \times 0.001$

9) $11,820.5$ $1 \times 10000 + 1 \times 1000 + 8 \times 100 + 2 \times 10 + 5 \times 0.1$

10) 745.329 $7 \times 100 + 4 \times 10 + 5 \times 1 + 3 \times 0.1 + 2 \times 0.01 + 9 \times 0.001$

11) $37,177.9$ $3 \times 10000 + 7 \times 1000 + 1 \times 100 + 7 \times 10 + 7 \times 1 + 9 \times 0.1$

12) $9,010.69$ $9 \times 1000 + 1 \times 10 + 6 \times 0.1 + 9 \times 0.01$

13) $7,366.42$ $7 \times 1000 + 3 \times 100 + 6 \times 10 + 6 \times 1 + 4 \times 0.1 + 2 \times 0.01$

14) 248.907 $2 \times 100 + 4 \times 10 + 8 \times 1 + 9 \times 0.1 + 7 \times 0.001$

15) $39,632.2$ $3 \times 10000 + 9 \times 1000 + 6 \times 100 + 3 \times 10 + 2 \times 1 + 2 \times 0.1$