Decimals in expanded notation

Grade 5 Place Value Worksheet

Write the numbers in expanded notation.

Example: 42.89 = 4 x 10 + 2 x 1 + 8 x 0.1 + 9 x 0.01

1) 3,333.78 _____

2) 906.152 _____

3) 4,711.37 _____

4) 92,792.6 _____

5) 3,856.05 _____

6) 78,591.5 _____

7) 2,779.08 _____

8) 4,767.05 _____

9) 3,564.2 _____

10) 1,033.65 _____

11) 268.786 _____

12) 475.497 _____

13) 6,730.22 _____

14) 15,953.1 _____

15) 2,804.45 _____

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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) 3,333.78 $3 \times 1000 + 3 \times 100 + 3 \times 10 + 3 \times 1 + 7 \times 0.1 + 8 \times 0.01$

2) 906.152 $9 \times 100 + 6 \times 1 + 1 \times 0.1 + 5 \times 0.01 + 2 \times 0.001$

3) 4,711.37 $4 \times 1000 + 7 \times 100 + 1 \times 10 + 1 \times 1 + 3 \times 0.1 + 7 \times 0.01$

4) 92,792.6 $9 \times 10000 + 2 \times 1000 + 7 \times 100 + 9 \times 10 + 2 \times 1 + 6 \times 0.1$

5) 3,856.05 $3 \times 1000 + 8 \times 100 + 5 \times 10 + 6 \times 1 + 5 \times 0.01$

6) 78,591.5 $7 \times 10000 + 8 \times 1000 + 5 \times 100 + 9 \times 10 + 1 \times 1 + 5 \times 0.1$

7) 2,779.08 $2 \times 1000 + 7 \times 100 + 7 \times 10 + 9 \times 1 + 8 \times 0.01$

8) 4,767.05 $4 \times 1000 + 7 \times 100 + 6 \times 10 + 7 \times 1 + 5 \times 0.01$

9) 3,564.2 $3 \times 1000 + 5 \times 100 + 6 \times 10 + 4 \times 1 + 2 \times 0.1$

10) 1,033.65 $1 \times 1000 + 3 \times 10 + 3 \times 1 + 6 \times 0.1 + 5 \times 0.01$

11) 268.786 $2 \times 100 + 6 \times 10 + 8 \times 1 + 7 \times 0.1 + 8 \times 0.01 + 6 \times 0.001$

12) 475.497 $4 \times 100 + 7 \times 10 + 5 \times 1 + 4 \times 0.1 + 9 \times 0.01 + 7 \times 0.001$

13) 6,730.22 $6 \times 1000 + 7 \times 100 + 3 \times 10 + 2 \times 0.1 + 2 \times 0.01$

14) 15,953.1 $1 \times 10000 + 5 \times 1000 + 9 \times 100 + 5 \times 10 + 3 \times 1 + 1 \times 0.1$

15) 2,804.45 $2 \times 1000 + 8 \times 100 + 4 \times 1 + 4 \times 0.1 + 5 \times 0.01$