



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