



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) 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 _____



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

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