



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) 3,138.133

2) 920,915.1

3) 6,537.907

4) 6,987.633

5) 2,180.222

6) 186,662.4

7) 2,920.993

8) 48,692.76

9) 614,492.7

10) 90,743.08

11) 6,447.625

12) 30,425.68



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

1) $3,138.133$ $3 \times 1000 + 1 \times 100 + 3 \times 10 + 8 \times 1 + 1 \times 0.1 + 3 \times 0.01 + 3 \times 0.001$

2) $920,915.1$ $9 \times 100000 + 2 \times 10000 + 9 \times 100 + 1 \times 10 + 5 \times 1 + 1 \times 0.1$

3) $6,537.907$ $6 \times 1000 + 5 \times 100 + 3 \times 10 + 7 \times 1 + 9 \times 0.1 + 7 \times 0.001$

4) $6,987.633$ $6 \times 1000 + 9 \times 100 + 8 \times 10 + 7 \times 1 + 6 \times 0.1 + 3 \times 0.01 + 3 \times 0.001$

5) $2,180.222$ $2 \times 1000 + 1 \times 100 + 8 \times 10 + 2 \times 0.1 + 2 \times 0.01 + 2 \times 0.001$

6) $186,662.4$ $1 \times 100000 + 8 \times 10000 + 6 \times 1000 + 6 \times 100 + 6 \times 10 + 2 \times 1 + 4 \times 0.1$

7) $2,920.993$ $2 \times 1000 + 9 \times 100 + 2 \times 10 + 9 \times 0.1 + 9 \times 0.01 + 3 \times 0.001$

8) $48,692.76$ $4 \times 10000 + 8 \times 1000 + 6 \times 100 + 9 \times 10 + 2 \times 1 + 7 \times 0.1 + 6 \times 0.01$

9) $614,492.7$ $6 \times 100000 + 1 \times 10000 + 4 \times 1000 + 4 \times 100 + 9 \times 10 + 2 \times 1 + 7 \times 0.1$

10) $90,743.08$ $9 \times 10000 + 7 \times 100 + 4 \times 10 + 3 \times 1 + 8 \times 0.01$

11) $6,447.625$ $6 \times 1000 + 4 \times 100 + 4 \times 10 + 7 \times 1 + 6 \times 0.1 + 2 \times 0.01 + 5 \times 0.001$

12) $30,425.68$ $3 \times 10000 + 4 \times 100 + 2 \times 10 + 5 \times 1 + 6 \times 0.1 + 8 \times 0.01$