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 _____

_____

Decimals in expanded notation

Grade 6 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) 3,138.133   3 × 1000 + 1 × 100 + 3 × 10 + 8 × 1 + 1 × 0.1 + 3 × 0.01 + 3 × 0.001

2) 920,915.1   9 × 100000 + 2 × 10000 + 9 × 100 + 1 × 10 + 5 × 1 + 1 × 0.1

3) 6,537.907   6 × 1000 + 5 × 100 + 3 × 10 + 7 × 1 + 9 × 0.1 + 7 × 0.001

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

5) 2,180.222   2 × 1000 + 1 × 100 + 8 × 10 + 2 × 0.1 + 2 × 0.01 + 2 × 0.001

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

7) 2,920.993   2 × 1000 + 9 × 100 + 2 × 10 + 9 × 0.1 + 9 × 0.01 + 3 × 0.001

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

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

10) 90,743.08   9 × 10000 + 7 × 100 + 4 × 10 + 3 × 1 + 8 × 0.01

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

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