



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) 97.9 _____

2) 4.44 _____

3) 0.676 _____

4) 70.8 _____

5) 1.72 _____

6) 0.206 _____

7) 0.784 _____

8) 3.19 _____

9) 30.5 _____

10) 71.2 _____

11) 0.549 _____

12) 0.883 _____

13) 48.5 _____

14) 24.4 _____

15) 0.894 _____



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

1) $97.9 = 9 \times 10 + 7 \times 1 + 9 \times 0.1$

2) $4.44 = 4 \times 1 + 4 \times 0.1 + 4 \times 0.01$

3) $0.676 = 6 \times 0.1 + 7 \times 0.01 + 6 \times 0.001$

4) $70.8 = 7 \times 10 + 8 \times 0.1$

5) $1.72 = 1 \times 1 + 7 \times 0.1 + 2 \times 0.01$

6) $0.206 = 2 \times 0.1 + 6 \times 0.001$

7) $0.784 = 7 \times 0.1 + 8 \times 0.01 + 4 \times 0.001$

8) $3.19 = 3 \times 1 + 1 \times 0.1 + 9 \times 0.01$

9) $30.5 = 3 \times 10 + 5 \times 0.1$

10) $71.2 = 7 \times 10 + 1 \times 1 + 2 \times 0.1$

11) $0.549 = 5 \times 0.1 + 4 \times 0.01 + 9 \times 0.001$

12) $0.883 = 8 \times 0.1 + 8 \times 0.01 + 3 \times 0.001$

13) $48.5 = 4 \times 10 + 8 \times 1 + 5 \times 0.1$

14) $24.4 = 2 \times 10 + 4 \times 1 + 4 \times 0.1$

15) $0.894 = 8 \times 0.1 + 9 \times 0.01 + 4 \times 0.001$