Numeric Form to Expanded Notation with Decimals Name:

Convert each number to expanded notation.

Ex) 77.23 $7 \times 10 + 7 + (2 \times {}^{1}\!/_{10}) + (3 \times {}^{1}\!/_{100})$

1) 91.95

2) 85.77

3) 93.4

4) 95.742

5) 842.7

6) 293.27

7) 2.648

8) 847.44

9) 9.675

10) 33.823

11) 953.68

12) 96.513

13) 7.54

14) 434.12

15) 645.723

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Numeric Form to Expanded Notation with Decimals Name: **Answer Key**

Convert each number to expanded notation.

Ex) 77.23 $7 \times 10 + 7 + (2 \times {}^{1}\!/_{10}) + (3 \times {}^{1}\!/_{100})$

1) 91.95 $9 \times 10 + 1 + (9 \times {}^{1}\!/_{10}) + (5 \times {}^{1}\!/_{100})$

2) 85.77 $8 \times 10 + 5 + (7 \times {}^{1}\!/_{10}) + (7 \times {}^{1}\!/_{100})$

3) 93.4 $9 \times 10 + 3 + (4 \times {}^{1}\!/_{10})$

4) 95.742 $9 \times 10 + 5 + (7 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100}) + (2 \times {}^{1}\!/_{1000})$

5) 842.7 $8 \times 100 + 4 \times 10 + 2 + (7 \times {}^{1}\!/_{10})$

6) 293.27 $2 \times 100 + 9 \times 10 + 3 + (2 \times {}^{1}\!/_{10}) + (7 \times {}^{1}\!/_{100})$

7) 2.648 $2 + (6 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100}) + (8 \times {}^{1}\!/_{1000})$

8) 847.44 $8 \times 100 + 4 \times 10 + 7 + (4 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100})$

9) 9.675 $9 + (6 \times {}^{1}\!/_{10}) + (7 \times {}^{1}\!/_{100}) + (5 \times {}^{1}\!/_{1000})$

10) 33.823 $3 \times 10 + 3 + (8 \times {}^{1}\!/_{10}) + (2 \times {}^{1}\!/_{100}) + (3 \times {}^{1}\!/_{1000})$

11) 953.68 $9 \times 100 + 5 \times 10 + 3 + (6 \times {}^{1}\!/_{10}) + (8 \times {}^{1}\!/_{100})$

12) 96.513 $9 \times 10 + 6 + (5 \times {}^{1}\!/_{10}) + (1 \times {}^{1}\!/_{100}) + (3 \times {}^{1}\!/_{1000})$

13) 7.54 $7 + (5 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100})$

14) 434.12 $4 \times 100 + 3 \times 10 + 4 + (1 \times {}^{1}\!/_{10}) + (2 \times {}^{1}\!/_{100})$

15) 645.723 $6 \times 100 + 4 \times 10 + 5 + (7 \times {}^{1}\!/_{10}) + (2 \times {}^{1}\!/_{100}) + (3 \times {}^{1}\!/_{1000})$

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					