Numeric Form to Expanded Notation with Decimals Name:

Convert each number to expanded notation.

Ex) 9.38 $9+(3\times{}^{1}\!/_{10})+(8\times{}^{1}\!/_{100})$

1) 3.591

2) 191.161

3) 4.241

4) 98.83

5) 234.29

6) 9.57

7) 64.2

8) 25.9

9) 48.7

10) 85.699

11) 3.28

12) 47.253

13) 9.161

14) 55.34

15) 564.9

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) 9.38 $9+(3\times{}^{1}\!/_{10})+(8\times{}^{1}\!/_{100})$

1) 3.591 $3+(5\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(1\times{}^{1}\!/_{1000})$

2) 191.161 $1\times100+9\times10+1+(1\times{}^{1}\!/_{10})+(6\times{}^{1}\!/_{100})+(1\times{}^{1}\!/_{1000})$

3) 4.241 $4+(2\times{}^{1}\!/_{10})+(4\times{}^{1}\!/_{100})+(1\times{}^{1}\!/_{1000})$

4) 98.83 $9\times10+8+(8\times{}^{1}\!/_{10})+(3\times{}^{1}\!/_{100})$

5) 234.29 $2\times100+3\times10+4+(2\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})$

6) 9.57 $9+(5\times{}^{1}\!/_{10})+(7\times{}^{1}\!/_{100})$

7) 64.2 $6\times10+4+(2\times{}^{1}\!/_{10})$

8) 25.9 $2\times10+5+(9\times{}^{1}\!/_{10})$

9) 48.7 $4\times10+8+(7\times{}^{1}\!/_{10})$

10) 85.699 $8\times10+5+(6\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(9\times{}^{1}\!/_{1000})$

11) 3.28 $3+(2\times{}^{1}\!/_{10})+(8\times{}^{1}\!/_{100})$

12) 47.253 $4\times10+7+(2\times{}^{1}\!/_{10})+(5\times{}^{1}\!/_{100})+(3\times{}^{1}\!/_{1000})$

13) 9.161 $9+(1\times{}^{1}\!/_{10})+(6\times{}^{1}\!/_{100})+(1\times{}^{1}\!/_{1000})$

14) 55.34 $5\times10+5+(3\times{}^{1}\!/_{10})+(4\times{}^{1}\!/_{100})$

15) 564.9 $5\times100+6\times10+4+(9\times{}^{1}\!/_{10})$

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