Numeric Form to Expanded Notation with Decimals

Name:

Convert each number to expanded notation.

Ex) 591.181 $5 \times 100 + 9 \times 10 + 1 + (1 \times {}^{1}\!/_{10}) + (8 \times {}^{1}\!/_{100}) + (1 \times {}^{1}\!/_{1000})$

1) 4.856

2) 52.51

3) 972.86

4) 32.828

5) 743.89

6) 46.3

7) 858.91

8) 55.6

9) 778.3

10) 357.94

11) 25.811

12) 3.33

13) 7.141

14) 2.78

15) 738.885

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) 591.181 — $5 \times 100 + 9 \times 10 + 1 + (1 \times {}^{1}\!/_{10}) + (8 \times {}^{1}\!/_{100}) + (1 \times {}^{1}\!/_{1000})$

1) 4.856 — $4 + (8 \times {}^{1}\!/_{10}) + (5 \times {}^{1}\!/_{100}) + (6 \times {}^{1}\!/_{1000})$

2) 52.51 — $5 \times 10 + 2 + (5 \times {}^{1}\!/_{10}) + (1 \times {}^{1}\!/_{100})$

3) 972.86 — $9 \times 100 + 7 \times 10 + 2 + (8 \times {}^{1}\!/_{10}) + (6 \times {}^{1}\!/_{100})$

4) 32.828 — $3 \times 10 + 2 + (8 \times {}^{1}\!/_{10}) + (2 \times {}^{1}\!/_{100}) + (8 \times {}^{1}\!/_{1000})$

5) 743.89 — $7 \times 100 + 4 \times 10 + 3 + (8 \times {}^{1}\!/_{10}) + (9 \times {}^{1}\!/_{100})$

6) 46.3 — $4 \times 10 + 6 + (3 \times {}^{1}\!/_{10})$

7) 858.91 — $8 \times 100 + 5 \times 10 + 8 + (9 \times {}^{1}\!/_{10}) + (1 \times {}^{1}\!/_{100})$

8) 55.6 — $5 \times 10 + 5 + (6 \times {}^{1}\!/_{10})$

9) 778.3 — $7 \times 100 + 7 \times 10 + 8 + (3 \times {}^{1}\!/_{10})$

10) 357.94 — $3 \times 100 + 5 \times 10 + 7 + (9 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100})$

11) 25.811 — $2 \times 10 + 5 + (8 \times {}^{1}\!/_{10}) + (1 \times {}^{1}\!/_{100}) + (1 \times {}^{1}\!/_{1000})$

12) 3.33 — $3 + (3 \times {}^{1}\!/_{10}) + (3 \times {}^{1}\!/_{100})$

13) 7.141 — $7 + (1 \times {}^{1}\!/_{10}) + (4 \times {}^{1}\!/_{100}) + (1 \times {}^{1}\!/_{1000})$

14) 2.78 — $2 + (7 \times {}^{1}\!/_{10}) + (8 \times {}^{1}\!/_{100})$

15) 738.885 — $7 \times 100 + 3 \times 10 + 8 + (8 \times {}^{1}\!/_{10}) + (8 \times {}^{1}\!/_{100}) + (5 \times {}^{1}\!/_{1000})$

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