Numeric Form to Expanded Form with Decimals

Name:

Convert each number to expanded form.

Ex) 973.5 $9\times100+7\times10+3+(5\times{}^{1}\!/_{10})$

1) 29.166

2) 18.43

3) 8.598

4) 5.498

5) 67.4

6) 163.761

7) 6.1

8) 91.193

9) 193.4

10) 747.353

11) 56.99

12) 83.597

13) 7.7

14) 23.35

15) 98.668

16) 9.81

17) 866.7

18) 235.72

19) 9.892

20) 22.11

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

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

Convert each number to expanded form.

Ex) 973.5 — $9\times100+7\times10+3+(5\times{}^{1}\!/_{10})$

1) 29.166 — $2\times10+9+(1\times{}^{1}\!/_{10})+(6\times{}^{1}\!/_{100})+(6\times{}^{1}\!/_{1000})$

2) 18.43 — $1\times10+8+(4\times{}^{1}\!/_{10})+(3\times{}^{1}\!/_{100})$

3) 8.598 — $8+(5\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(8\times{}^{1}\!/_{1000})$

4) 5.498 — $5+(4\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(8\times{}^{1}\!/_{1000})$

5) 67.4 — $6\times10+7+(4\times{}^{1}\!/_{10})$

6) 163.761 — $1\times100+6\times10+3+(7\times{}^{1}\!/_{10})+(6\times{}^{1}\!/_{100})+(1\times{}^{1}\!/_{1000})$

7) 6.1 — $6+(1\times{}^{1}\!/_{10})$

8) 91.193 — $9\times10+1+(1\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(3\times{}^{1}\!/_{1000})$

9) 193.4 — $1\times100+9\times10+3+(4\times{}^{1}\!/_{10})$

10) 747.353 — $7\times100+4\times10+7+(3\times{}^{1}\!/_{10})+(5\times{}^{1}\!/_{100})+(3\times{}^{1}\!/_{1000})$

11) 56.99 — $5\times10+6+(9\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})$

12) 83.597 — $8\times10+3+(5\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(7\times{}^{1}\!/_{1000})$

13) 7.7 — $7+(7\times{}^{1}\!/_{10})$

14) 23.35 — $2\times10+3+(3\times{}^{1}\!/_{10})+(5\times{}^{1}\!/_{100})$

15) 98.668 — $9\times10+8+(6\times{}^{1}\!/_{10})+(6\times{}^{1}\!/_{100})+(8\times{}^{1}\!/_{1000})$

16) 9.81 — $9+(8\times{}^{1}\!/_{10})+(1\times{}^{1}\!/_{100})$

17) 866.7 — $8\times100+6\times10+6+(7\times{}^{1}\!/_{10})$

18) 235.72 — $2\times100+3\times10+5+(7\times{}^{1}\!/_{10})+(2\times{}^{1}\!/_{100})$

19) 9.892 — $9+(8\times{}^{1}\!/_{10})+(9\times{}^{1}\!/_{100})+(2\times{}^{1}\!/_{1000})$

20) 22.11 — $2\times10+2+(1\times{}^{1}\!/_{10})+(1\times{}^{1}\!/_{100})$

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0