Numeric Form to Expanded Form with Decimals

Name:

Convert each number to expanded form.

Ex) 8.85 $8+(8\times{}^{1}\!/_{10})+(5\times{}^{1}\!/_{100})$

1) 6.37

2) 388.13

3) 617.14

4) 684.7

5) 9.6

6) 1.3

7) 4.66

8) 114.347

9) 319.73

10) 2.99

11) 317.7

12) 8.6

13) 826.9

14) 692.84

15) 2.785

16) 698.6

17) 69.54

18) 28.31

19) 547.933

20) 75.92

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) 8.85 $8+(8\times\frac{1}{10})+(5\times\frac{1}{100})$

1) 6.37 $6+(3\times\frac{1}{10})+(7\times\frac{1}{100})$

2) 388.13 $3\times100+8\times10+8+(1\times\frac{1}{10})+(3\times\frac{1}{100})$

3) 617.14 $6\times100+1\times10+7+(1\times\frac{1}{10})+(4\times\frac{1}{100})$

4) 684.7 $6\times100+8\times10+4+(7\times\frac{1}{10})$

5) 9.6 $9+(6\times\frac{1}{10})$

6) 1.3 $1+(3\times\frac{1}{10})$

7) 4.66 $4+(6\times\frac{1}{10})+(6\times\frac{1}{100})$

8) 114.347 $1\times100+1\times10+4+(3\times\frac{1}{10})+(4\times\frac{1}{100})+(7\times\frac{1}{1000})$

9) 319.73 $3\times100+1\times10+9+(7\times\frac{1}{10})+(3\times\frac{1}{100})$

10) 2.99 $2+(9\times\frac{1}{10})+(9\times\frac{1}{100})$

11) 317.7 $3\times100+1\times10+7+(7\times\frac{1}{10})$

12) 8.6 $8+(6\times\frac{1}{10})$

13) 826.9 $8\times100+2\times10+6+(9\times\frac{1}{10})$

14) 692.84 $6\times100+9\times10+2+(8\times\frac{1}{10})+(4\times\frac{1}{100})$

15) 2.785 $2+(7\times\frac{1}{10})+(8\times\frac{1}{100})+(5\times\frac{1}{1000})$

16) 698.6 $6\times100+9\times10+8+(6\times\frac{1}{10})$

17) 69.54 $6\times10+9+(5\times\frac{1}{10})+(4\times\frac{1}{100})$

18) 28.31 $2\times10+8+(3\times\frac{1}{10})+(1\times\frac{1}{100})$

19) 547.933 $5\times100+4\times10+7+(9\times\frac{1}{10})+(3\times\frac{1}{100})+(3\times\frac{1}{1000})$

20) 75.92 $7\times10+5+(9\times\frac{1}{10})+(2\times\frac{1}{100})$

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