Numeric Form to Expanded Form with Decimals

Name:

Convert each number to expanded form.

Ex) 926.99 $9\times100+2\times10+6+(9\times\frac{1}{10})+(9\times\frac{1}{100})$

1) 7.4

2) 83.81

3) 2.419

4) 1.74

5) 211.5

6) 7.287

7) 812.3

8) 91.16

9) 83.783

10) 57.584

11) 42.91

12) 86.547

13) 4.5

14) 665.2

15) 5.445

16) 58.218

17) 257.95

18) 48.64

19) 2.2

20) 633.3

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) 926.99 $9\times100+2\times10+6+(9\times\frac{1}{10})+(9\times\frac{1}{100})$

1) 7.4 $7+(4\times\frac{1}{10})$

2) 83.81 $8\times10+3+(8\times\frac{1}{10})+(1\times\frac{1}{100})$

3) 2.419 $2+(4\times\frac{1}{10})+(1\times\frac{1}{100})+(9\times\frac{1}{1000})$

4) 1.74 $1+(7\times\frac{1}{10})+(4\times\frac{1}{100})$

5) 211.5 $2\times100+1\times10+1+(5\times\frac{1}{10})$

6) 7.287 $7+(2\times\frac{1}{10})+(8\times\frac{1}{100})+(7\times\frac{1}{1000})$

7) 812.3 $8\times100+1\times10+2+(3\times\frac{1}{10})$

8) 91.16 $9\times10+1+(1\times\frac{1}{10})+(6\times\frac{1}{100})$

9) 83.783 $8\times10+3+(7\times\frac{1}{10})+(8\times\frac{1}{100})+(3\times\frac{1}{1000})$

10) 57.584 $5\times10+7+(5\times\frac{1}{10})+(8\times\frac{1}{100})+(4\times\frac{1}{1000})$

11) 42.91 $4\times10+2+(9\times\frac{1}{10})+(1\times\frac{1}{100})$

12) 86.547 $8\times10+6+(5\times\frac{1}{10})+(4\times\frac{1}{100})+(7\times\frac{1}{1000})$

13) 4.5 $4+(5\times\frac{1}{10})$

14) 665.2 $6\times100+6\times10+5+(2\times\frac{1}{10})$

15) 5.445 $5+(4\times\frac{1}{10})+(4\times\frac{1}{100})+(5\times\frac{1}{1000})$

16) 58.218 $5\times10+8+(2\times\frac{1}{10})+(1\times\frac{1}{100})+(8\times\frac{1}{1000})$

17) 257.95 $2\times100+5\times10+7+(9\times\frac{1}{10})+(5\times\frac{1}{100})$

18) 48.64 $4\times10+8+(6\times\frac{1}{10})+(4\times\frac{1}{100})$

19) 2.2 $2+(2\times\frac{1}{10})$

20) 633.3 $6\times100+3\times10+3+(3\times\frac{1}{10})$

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