Numeric Form to Expanded Form with Decimals

Convert each number to expanded form.

Ex) 41.78 $\quad\quad\quad\quad\quad\quad 4 \times 10 + 1 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

1) 96.866

2) 2.71

3) 25.9

4) 934.7

5) 224.72

6) 47.4

7) 53.946

8) 95.96

9) 5.96

10) 283.4

11) 446.784

12) 637.17

13) 4.7

14) 73.7

15) 76.11

16) 438.893

17) 839.616

18) 7.917

19) 67.81

20) 6.58

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1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0
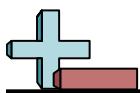
Convert each number to expanded form.

Ex) 41.78

$$4 \times 10 + 1 + (7 \times \tfrac{1}{10}) + (8 \times \tfrac{1}{100})$$

1) 96.866

$$9 \times 10 + 6 + (8 \times \tfrac{1}{10}) + (6 \times \tfrac{1}{100}) + (6 \times \tfrac{1}{1000})$$

2) 2.71

$$2 + (7 \times \tfrac{1}{10}) + (1 \times \tfrac{1}{100})$$

3) 25.9

$$2 \times 10 + 5 + (9 \times \tfrac{1}{10})$$

4) 934.7

$$9 \times 100 + 3 \times 10 + 4 + (7 \times \tfrac{1}{10})$$

5) 224.72

$$2 \times 100 + 2 \times 10 + 4 + (7 \times \tfrac{1}{10}) + (2 \times \tfrac{1}{100})$$

6) 47.4

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

7) 53.946

$$5 \times 10 + 3 + (9 \times \tfrac{1}{10}) + (4 \times \tfrac{1}{100}) + (6 \times \tfrac{1}{1000})$$

8) 95.96

$$9 \times 10 + 5 + (9 \times \tfrac{1}{10}) + (6 \times \tfrac{1}{100})$$

9) 5.96

$$5 + (9 \times \tfrac{1}{10}) + (6 \times \tfrac{1}{100})$$

10) 283.4

$$2 \times 100 + 8 \times 10 + 3 + (4 \times \tfrac{1}{10})$$

11) 446.784

$$4 \times 100 + 4 \times 10 + 6 + (7 \times \tfrac{1}{10}) + (8 \times \tfrac{1}{100}) + (4 \times \tfrac{1}{1000})$$

12) 637.17

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

13) 4.7

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

14) 73.7

$$7 \times 10 + 3 + (7 \times \tfrac{1}{10})$$

15) 76.11

$$7 \times 10 + 6 + (1 \times \tfrac{1}{10}) + (1 \times \tfrac{1}{100})$$

16) 438.893

$$4 \times 100 + 3 \times 10 + 8 + (8 \times \tfrac{1}{10}) + (9 \times \tfrac{1}{100}) + (3 \times \tfrac{1}{1000})$$

17) 839.616

$$8 \times 100 + 3 \times 10 + 9 + (6 \times \tfrac{1}{10}) + (1 \times \tfrac{1}{100}) + (6 \times \tfrac{1}{1000})$$

18) 7.917

$$7 + (9 \times \tfrac{1}{10}) + (1 \times \tfrac{1}{100}) + (7 \times \tfrac{1}{1000})$$

19) 67.81

$$6 \times 10 + 7 + (8 \times \tfrac{1}{10}) + (1 \times \tfrac{1}{100})$$

20) 6.58

$$6 + (5 \times \tfrac{1}{10}) + (8 \times \tfrac{1}{100})$$

Math

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