Convert each number to expanded form.

Ex) 973.5 $9 \times 100 + 7 \times 10 + 3 + (5 \times \frac{1}{10})$

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

Convert each number to expanded form.

Ex) 973.5

$$9 \times 100 + 7 \times 10 + 3 + (5 \times \tfrac{1}{10})$$

1) 29.166

$$2 \times 10 + 9 + (1 \times \tfrac{1}{10}) + (6 \times \tfrac{1}{100}) + (6 \times \tfrac{1}{1000})$$

2) 18.43

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

3) 8.598

$$8 + (5 \times \tfrac{1}{10}) + (9 \times \tfrac{1}{100}) + (8 \times \tfrac{1}{1000})$$

4) 5.498

$$5 + (4 \times \tfrac{1}{10}) + (9 \times \tfrac{1}{100}) + (8 \times \tfrac{1}{1000})$$

5) 67.4

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

6) 163.761

$$1 \times 100 + 6 \times 10 + 3 + (7 \times \tfrac{1}{10}) + (6 \times \tfrac{1}{100}) + (1 \times \tfrac{1}{1000})$$

7) 6.1

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

8) 91.193

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

9) 193.4

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

10) 747.353

$$7 \times 100 + 4 \times 10 + 7 + (3 \times \tfrac{1}{10}) + (5 \times \tfrac{1}{100}) + (3 \times \tfrac{1}{1000})$$

11) 56.99

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

12) 83.597

$$8 \times 10 + 3 + (5 \times \tfrac{1}{10}) + (9 \times \tfrac{1}{100}) + (7 \times \tfrac{1}{1000})$$

13) 7.7

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

14) 23.35

$$2 \times 10 + 3 + (3 \times \tfrac{1}{10}) + (5 \times \tfrac{1}{100})$$

15) 98.668

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

16) 9.81

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

17) 866.7

$$8 \times 100 + 6 \times 10 + 6 + (7 \times \tfrac{1}{10})$$
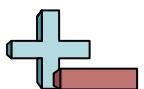
18) 235.72

$$2 \times 100 + 3 \times 10 + 5 + (7 \times \tfrac{1}{10}) + (2 \times \tfrac{1}{100})$$

19) 9.892

$$9 + (8 \times \tfrac{1}{10}) + (9 \times \tfrac{1}{100}) + (2 \times \tfrac{1}{1000})$$

20) 22.11

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

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

Convert each number to expanded form.

Ex) 79.527 $7 \times 10 + 9 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

1) 41.8 _____

2) 3.841 _____

3) 314.839 _____

4) 83.547 _____

5) 6.34 _____

6) 598.241 _____

7) 1.22 _____

8) 356.674 _____

9) 24.628 _____

10) 13.587 _____

11) 7.9 _____

12) 68.53 _____

13) 63.1 _____

14) 1.39 _____

15) 13.6 _____

16) 3.78 _____

17) 72.348 _____

18) 64.432 _____

19) 69.151 _____

20) 652.72 _____

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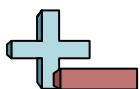
Convert each number to expanded form.

Ex) 79.527 $7 \times 10 + 9 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

1) 41.8 $4 \times 10 + 1 + (8 \times \frac{1}{10})$

2) 3.841 $3 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

3) 314.839 $3 \times 100 + 1 \times 10 + 4 + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

4) 83.547 $8 \times 10 + 3 + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

5) 6.34 $6 + (3 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

6) 598.241 $5 \times 100 + 9 \times 10 + 8 + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

7) 1.22 $1 + (2 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

8) 356.674 $3 \times 100 + 5 \times 10 + 6 + (6 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

9) 24.628 $2 \times 10 + 4 + (6 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

10) 13.587 $1 \times 10 + 3 + (5 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

11) 7.9 $7 + (9 \times \frac{1}{10})$

12) 68.53 $6 \times 10 + 8 + (5 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

13) 63.1 $6 \times 10 + 3 + (1 \times \frac{1}{10})$

14) 1.39 $1 + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

15) 13.6 $1 \times 10 + 3 + (6 \times \frac{1}{10})$

16) 3.78 $3 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

17) 72.348 $7 \times 10 + 2 + (3 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$
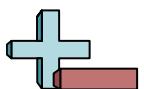
18) 64.432 $6 \times 10 + 4 + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

19) 69.151 $6 \times 10 + 9 + (1 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

20) 652.72 $6 \times 100 + 5 \times 10 + 2 + (7 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

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

Convert each number to expanded form.

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

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 _____

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

Name:

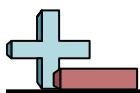**Convert each number to expanded form.**

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

1) 96.866 $9 \times 10 + 6 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

2) 2.71 $2 + (7 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

3) 25.9 $2 \times 10 + 5 + (9 \times \frac{1}{10})$

4) 934.7 $9 \times 100 + 3 \times 10 + 4 + (7 \times \frac{1}{10})$

5) 224.72 $2 \times 100 + 2 \times 10 + 4 + (7 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

6) 47.4 $4 \times 10 + 7 + (4 \times \frac{1}{10})$

7) 53.946 $5 \times 10 + 3 + (9 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

8) 95.96 $9 \times 10 + 5 + (9 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

9) 5.96 $5 + (9 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

10) 283.4 $2 \times 100 + 8 \times 10 + 3 + (4 \times \frac{1}{10})$

11) 446.784 $4 \times 100 + 4 \times 10 + 6 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

12) 637.17 $6 \times 100 + 3 \times 10 + 7 + (1 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

13) 4.7 $4 + (7 \times \frac{1}{10})$

14) 73.7 $7 \times 10 + 3 + (7 \times \frac{1}{10})$

15) 76.11 $7 \times 10 + 6 + (1 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

16) 438.893 $4 \times 100 + 3 \times 10 + 8 + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

17) 839.616 $8 \times 100 + 3 \times 10 + 9 + (6 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$
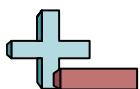
18) 7.917 $7 + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

19) 67.81 $6 \times 10 + 7 + (8 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

20) 6.58 $6 + (5 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

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

Convert each number to expanded form.

Ex) 7.9 $7 + (9 \times \frac{1}{10})$ _____

1) 147.5 _____

2) 3.81 _____

3) 4.2 _____

4) 19.32 _____

5) 56.7 _____

6) 42.88 _____

7) 7.3 _____

8) 644.9 _____

9) 38.5 _____

10) 985.51 _____

11) 2.191 _____

12) 37.35 _____

13) 287.6 _____

14) 43.185 _____

15) 4.54 _____

16) 5.8 _____

17) 15.2 _____

18) 671.48 _____

19) 84.7 _____

20) 74.36 _____

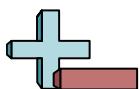| 1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Convert each number to expanded form.

Ex) 7.9 $7 + (9 \times \frac{1}{10})$

1) 147.5 $1 \times 100 + 4 \times 10 + 7 + (5 \times \frac{1}{10})$

2) 3.81 $3 + (8 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

3) 4.2 $4 + (2 \times \frac{1}{10})$

4) 19.32 $1 \times 10 + 9 + (3 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

5) 56.7 $5 \times 10 + 6 + (7 \times \frac{1}{10})$

6) 42.88 $4 \times 10 + 2 + (8 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

7) 7.3 $7 + (3 \times \frac{1}{10})$

8) 644.9 $6 \times 100 + 4 \times 10 + 4 + (9 \times \frac{1}{10})$

9) 38.5 $3 \times 10 + 8 + (5 \times \frac{1}{10})$

10) 985.51 $9 \times 100 + 8 \times 10 + 5 + (5 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

11) 2.191 $2 + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

12) 37.35 $3 \times 10 + 7 + (3 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

13) 287.6 $2 \times 100 + 8 \times 10 + 7 + (6 \times \frac{1}{10})$

14) 43.185 $4 \times 10 + 3 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

15) 4.54 $4 + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

16) 5.8 $5 + (8 \times \frac{1}{10})$

17) 15.2 $1 \times 10 + 5 + (2 \times \frac{1}{10})$

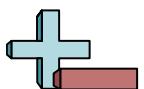**18)** 671.48 $6 \times 100 + 7 \times 10 + 1 + (4 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

19) 84.7 $8 \times 10 + 4 + (7 \times \frac{1}{10})$

20) 74.36 $7 \times 10 + 4 + (3 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

Math

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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) 564.756 $5 \times 100 + 6 \times 10 + 4 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

1) 63.953

2) 741.613

3) 344.3

4) 7.38

5) 327.144

6) 5.8

7) 18.6

8) 855.861

9) 4.91

10) 332.947

11) 927.9

12) 984.465

13) 29.1

14) 6.1

15) 4.39

16) 522.2

17) 8.4

18) 5.22

19) 85.55

20) 919.691

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

Name:
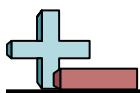
Convert each number to expanded form.

Ex) 564.756 $5 \times 100 + 6 \times 10 + 4 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

1) 63.953 $6 \times 10 + 3 + (9 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

2) 741.613 $7 \times 100 + 4 \times 10 + 1 + (6 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

3) 344.3 $3 \times 100 + 4 \times 10 + 4 + (3 \times \frac{1}{10})$

4) 7.38 $7 + (3 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

5) 327.144 $3 \times 100 + 2 \times 10 + 7 + (1 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

6) 5.8 $5 + (8 \times \frac{1}{10})$

7) 18.6 $1 \times 10 + 8 + (6 \times \frac{1}{10})$

8) 855.861 $8 \times 100 + 5 \times 10 + 5 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

9) 4.91 $4 + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

10) 332.947 $3 \times 100 + 3 \times 10 + 2 + (9 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

11) 927.9 $9 \times 100 + 2 \times 10 + 7 + (9 \times \frac{1}{10})$

12) 984.465 $9 \times 100 + 8 \times 10 + 4 + (4 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

13) 29.1 $2 \times 10 + 9 + (1 \times \frac{1}{10})$

14) 6.1 $6 + (1 \times \frac{1}{10})$

15) 4.39 $4 + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

16) 522.2 $5 \times 100 + 2 \times 10 + 2 + (2 \times \frac{1}{10})$

17) 8.4 $8 + (4 \times \frac{1}{10})$

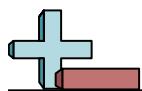**18)** 5.22 $5 + (2 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

19) 85.55 $8 \times 10 + 5 + (5 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20) 919.691 $9 \times 100 + 1 \times 10 + 9 + (6 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

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) 499.23 $4 \times 100 + 9 \times 10 + 9 + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 54.6

2) 98.88

3) 724.87

4) 16.662

5) 72.626

6) 423.835

7) 66.14

8) 772.69

9) 57.8

10) 9.1

11) 3.198

12) 428.1

13) 53.181

14) 1.5

15) 45.364

16) 564.1

17) 1.8

18) 19.6

19) 5.52

20) 11.332

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

Name: **Answer Key**
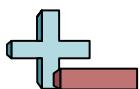
Convert each number to expanded form.

Ex) 499.23 $4 \times 100 + 9 \times 10 + 9 + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 54.6 $5 \times 10 + 4 + (6 \times \frac{1}{10})$

2) 98.88 $9 \times 10 + 8 + (8 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

3) 724.87 $7 \times 100 + 2 \times 10 + 4 + (8 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

4) 16.662 $1 \times 10 + 6 + (6 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

5) 72.626 $7 \times 10 + 2 + (6 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

6) 423.835 $4 \times 100 + 2 \times 10 + 3 + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

7) 66.14 $6 \times 10 + 6 + (1 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

8) 772.69 $7 \times 100 + 7 \times 10 + 2 + (6 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

9) 57.8 $5 \times 10 + 7 + (8 \times \frac{1}{10})$

10) 9.1 $9 + (1 \times \frac{1}{10})$

11) 3.198 $3 + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

12) 428.1 $4 \times 100 + 2 \times 10 + 8 + (1 \times \frac{1}{10})$

13) 53.181 $5 \times 10 + 3 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

14) 1.5 $1 + (5 \times \frac{1}{10})$

15) 45.364 $4 \times 10 + 5 + (3 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

16) 564.1 $5 \times 100 + 6 \times 10 + 4 + (1 \times \frac{1}{10})$
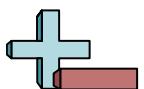
17) 1.8 $1 + (8 \times \frac{1}{10})$

18) 19.6 $1 \times 10 + 9 + (6 \times \frac{1}{10})$

19) 5.52 $5 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

20) 11.332 $1 \times 10 + 1 + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

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) 252.33 $2 \times 100 + 5 \times 10 + 2 + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 227.98

2) 328.1

3) 15.75

4) 741.38

5) 7.847

6) 94.95

7) 76.2

8) 185.855

9) 2.92

10) 88.41

11) 631.1

12) 63.6

13) 319.723

14) 19.8

15) 52.1

16) 7.2

17) 26.95

18) 85.42

19) 9.356

20) 356.3

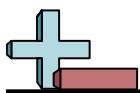| 1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Convert each number to expanded form.

Ex) 252.33 $2 \times 100 + 5 \times 10 + 2 + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 227.98 $2 \times 100 + 2 \times 10 + 7 + (9 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

2) 328.1 $3 \times 100 + 2 \times 10 + 8 + (1 \times \frac{1}{10})$

3) 15.75 $1 \times 10 + 5 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

4) 741.38 $7 \times 100 + 4 \times 10 + 1 + (3 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

5) 7.847 $7 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

6) 94.95 $9 \times 10 + 4 + (9 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

7) 76.2 $7 \times 10 + 6 + (2 \times \frac{1}{10})$

8) 185.855 $1 \times 100 + 8 \times 10 + 5 + (8 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

9) 2.92 $2 + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

10) 88.41 $8 \times 10 + 8 + (4 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

11) 631.1 $6 \times 100 + 3 \times 10 + 1 + (1 \times \frac{1}{10})$

12) 63.6 $6 \times 10 + 3 + (6 \times \frac{1}{10})$

13) 319.723 $3 \times 100 + 1 \times 10 + 9 + (7 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

14) 19.8 $1 \times 10 + 9 + (8 \times \frac{1}{10})$

15) 52.1 $5 \times 10 + 2 + (1 \times \frac{1}{10})$

16) 7.2 $7 + (2 \times \frac{1}{10})$

17) 26.95 $2 \times 10 + 6 + (9 \times \frac{1}{10}) + (5 \times \frac{1}{100})$
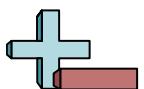
18) 85.42 $8 \times 10 + 5 + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

19) 9.356 $9 + (3 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

20) 356.3 $3 \times 100 + 5 \times 10 + 6 + (3 \times \frac{1}{10})$

Math   www.CommonCoreSheets.com   7

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) 65.8 _____ $6 \times 10 + 5 + (8 \times \frac{1}{10})$ _____

1) 6.184 _____

2) 35.6 _____

3) 2.455 _____

4) 64.6 _____

5) 6.3 _____

6) 88.125 _____

7) 3.5 _____

8) 145.8 _____

9) 82.81 _____

10) 117.833 _____

11) 82.777 _____

12) 16.211 _____

13) 91.86 _____

14) 4.322 _____

15) 553.679 _____

16) 6.66 _____

17) 436.9 _____

18) 762.319 _____

19) 85.8 _____

20) 19.177 _____

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

Name: **Answer Key**
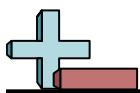
Convert each number to expanded form.

Ex) 65.8 $6 \times 10 + 5 + (8 \times \frac{1}{10})$

1) 6.184 $6 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

2) 35.6 $3 \times 10 + 5 + (6 \times \frac{1}{10})$

3) 2.455 $2 + (4 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

4) 64.6 $6 \times 10 + 4 + (6 \times \frac{1}{10})$

5) 6.3 $6 + (3 \times \frac{1}{10})$

6) 88.125 $8 \times 10 + 8 + (1 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

7) 3.5 $3 + (5 \times \frac{1}{10})$

8) 145.8 $1 \times 100 + 4 \times 10 + 5 + (8 \times \frac{1}{10})$

9) 82.81 $8 \times 10 + 2 + (8 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

10) 117.833 $1 \times 100 + 1 \times 10 + 7 + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

11) 82.777 $8 \times 10 + 2 + (7 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

12) 16.211 $1 \times 10 + 6 + (2 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

13) 91.86 $9 \times 10 + 1 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

14) 4.322 $4 + (3 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

15) 553.679 $5 \times 100 + 5 \times 10 + 3 + (6 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

16) 6.66 $6 + (6 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

17) 436.9 $4 \times 100 + 3 \times 10 + 6 + (9 \times \frac{1}{10})$

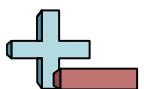**18)** 762.319 $7 \times 100 + 6 \times 10 + 2 + (3 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

19) 85.8 $8 \times 10 + 5 + (8 \times \frac{1}{10})$

20) 19.177 $1 \times 10 + 9 + (1 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

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

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
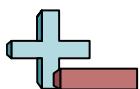
Convert each number to expanded form.

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

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

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

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 — $2 \times 100 + 1 \times 10 + 1 + (5 \times \frac{1}{10})$

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

7) 812.3 — $8 \times 100 + 1 \times 10 + 2 + (3 \times \frac{1}{10})$

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

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

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

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

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

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

14) 665.2 — $6 \times 100 + 6 \times 10 + 5 + (2 \times \frac{1}{10})$

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

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

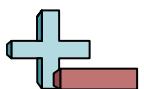**17)** 257.95 — $2 \times 100 + 5 \times 10 + 7 + (9 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

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

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

20) 633.3 — $6 \times 100 + 3 \times 10 + 3 + (3 \times \frac{1}{10})$

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

Name:

Convert each number to expanded form.

Ex) 519.33 $5 \times 100 + 1 \times 10 + 9 + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 9.48

2) 672.85

3) 4.51

4) 617.47

5) 8.115

6) 2.7

7) 3.317

8) 9.43

9) 9.2

10) 1.789

11) 33.724

12) 72.897

13) 1.1

14) 156.293

15) 299.243

16) 82.62

17) 17.67

18) 539.392

19) 1.86

20) 7.695

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

Name:

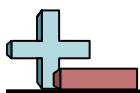**Convert each number to expanded form.**

Ex) 519.33 $5 \times 100 + 1 \times 10 + 9 + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

1) 9.48 $9 + (4 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

2) 672.85 $6 \times 100 + 7 \times 10 + 2 + (8 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

3) 4.51 $4 + (5 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

4) 617.47 $6 \times 100 + 1 \times 10 + 7 + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

5) 8.115 $8 + (1 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

6) 2.7 $2 + (7 \times \frac{1}{10})$

7) 3.317 $3 + (3 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

8) 9.43 $9 + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

9) 9.2 $9 + (2 \times \frac{1}{10})$

10) 1.789 $1 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

11) 33.724 $3 \times 10 + 3 + (7 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

12) 72.897 $7 \times 10 + 2 + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

13) 1.1 $1 + (1 \times \frac{1}{10})$

14) 156.293 $1 \times 100 + 5 \times 10 + 6 + (2 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

15) 299.243 $2 \times 100 + 9 \times 10 + 9 + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

16) 82.62 $8 \times 10 + 2 + (6 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

17) 17.67 $1 \times 10 + 7 + (6 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

18) 539.392 $5 \times 100 + 3 \times 10 + 9 + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

19) 1.86 $1 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

20) 7.695 $7 + (6 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

Math

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