Name:

Convert each problem to numeric notation.

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

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

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

3) $8 \times 10 + 1 + (2 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

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

5) $2 \times 100 + 9 \times 10 + 1 + (2 \times \frac{1}{10})$

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

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

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

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

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

11) $3 \times 10 + 3 + (4 \times \frac{1}{10})$

12) $1 + (6 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

13) $9 \times 100 + 7 \times 10 + 5 + (2 \times \frac{1}{10})$

14) $7 + (1 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

15) $3 \times 100 + 4 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

16) $7 \times 10 + 6 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

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

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

19) $4 \times 10 + 8 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20) $5 \times 100 + 3 \times 10 + 4 + (2 \times \frac{1}{10})$

Answers

Ex. ____**8.23**____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

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

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

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

3) $8 \times 10 + 1 + (2 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

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

5) $2 \times 100 + 9 \times 10 + 1 + (2 \times \frac{1}{10})$

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

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

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

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

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

11) $3 \times 10 + 3 + (4 \times \frac{1}{10})$

12) $1 + (6 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

13) $9 \times 100 + 7 \times 10 + 5 + (2 \times \frac{1}{10})$

14) $7 + (1 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

15) $3 \times 100 + 4 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

16) $7 \times 10 + 6 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

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

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

19) $4 \times 10 + 8 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20) $5 \times 100 + 3 \times 10 + 4 + (2 \times \frac{1}{10})$

Answers

Ex.	**8.23**
1.	**7.8**
2.	**86.31**
3.	**81.29**
4.	**864.347**
5.	**291.2**
6.	**5.3**
7.	**19.98**
8.	**65.949**
9.	**1.745**
10.	**12.75**
11.	**33.4**
12.	**1.663**
13.	**975.2**
14.	**7.168**
15.	**349.651**
16.	**76.529**
17.	**46.63**
18.	**77.84**
19.	**48.25**
20.	**534.2**

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

⊹	**Expanded Notation to Numeric Form with Decimals** Name:

Convert each problem to numeric notation.

Answers

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

Ex. **7.86**

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

1. _____

2) $8 \times 100 + 5 \times 10 + 3 + (9 \times \frac{1}{10})$

2. _____

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

3. _____

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

4. _____

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

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

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

10. _____

11) $5 \times 10 + 4 + (5 \times \frac{1}{10})$

11. _____

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

12. _____

13) $5 + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

13. _____

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

14. _____

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

15. _____

16) $8 \times 100 + 9 \times 10 + 3 + (6 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

16. _____

17) $2 \times 100 + 2 \times 10 + 8 + (1 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

17. _____

18) $9 \times 10 + 8 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

18. _____

19) $2 \times 10 + 4 + (6 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

19. _____

20) $7 \times 100 + 2 \times 10 + 7 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

20. _____

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 problem to numeric notation.

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

Ex. _____ **7.86**

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

1. _____ **5.7**

2) $8 \times 100 + 5 \times 10 + 3 + (9 \times \frac{1}{10})$

2. _____ **853.9**

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

3. _____ **149.356**

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

4. _____ **526.5**

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

5. _____ **2.5**

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

6. _____ **7.296**

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

7. _____ **4.47**

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

8. _____ **22.84**

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

9. _____ **7.96**

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

10. _____ **53.6**

11) $5 \times 10 + 4 + (5 \times \frac{1}{10})$

11. _____ **54.5**

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

12. _____ **37.7**

13) $5 + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

13. _____ **5.923**

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

14. _____ **6.26**

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

15. _____ **52.811**

16) $8 \times 100 + 9 \times 10 + 3 + (6 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

16. _____ **893.633**

17) $2 \times 100 + 2 \times 10 + 8 + (1 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

17. _____ **228.16**

18) $9 \times 10 + 8 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

18. _____ **98.57**

19) $2 \times 10 + 4 + (6 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

19. _____ **24.61**

20) $7 \times 100 + 2 \times 10 + 7 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

20. _____ **727.842**

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

Expanded Notation to Numeric Form with Decimals

Name:

Convert each problem to numeric notation.

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

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

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

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

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

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

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

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

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

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

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

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

12) $7 \times 10 + 9 + (5 \times \frac{1}{10})$

13) $9 \times 100 + 9 \times 10 + 3 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

14) $1 \times 10 + 8 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

15) $6 \times 10 + 7 + (5 \times \frac{1}{10})$

16) $8 + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

17) $9 \times 10 + 5 + (7 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

18) $5 \times 100 + 5 \times 10 + 1 + (6 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

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

20) $5 + (5 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

Answers

Ex. _____ **8.9** _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

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

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

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

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

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

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

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

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

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

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

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

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

12) $7 \times 10 + 9 + (5 \times \frac{1}{10})$

13) $9 \times 100 + 9 \times 10 + 3 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

14) $1 \times 10 + 8 + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

15) $6 \times 10 + 7 + (5 \times \frac{1}{10})$

16) $8 + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

17) $9 \times 10 + 5 + (7 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

18) $5 \times 100 + 5 \times 10 + 1 + (6 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

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

20) $5 + (5 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

Answers

Ex.	**8.9**
1.	**9.961**
2.	**1.1**
3.	**1.583**
4.	**2.3**
5.	**455.3**
6.	**5.86**
7.	**273.486**
8.	**751.4**
9.	**72.2**
10.	**9.1**
11.	**2.7**
12.	**79.5**
13.	**993.866**
14.	**18.842**
15.	**67.5**
16.	**8.424**
17.	**95.734**
18.	**551.648**
19.	**8.18**
20.	**5.514**

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 problem to numeric notation.

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

1) $7 \times 10 + 9 + (6 \times \frac{1}{10})$

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

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

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

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

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

7) $4 \times 100 + 6 \times 10 + 5 + (3 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

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

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

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

11) $7 \times 100 + 4 \times 10 + 8 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

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

13) $1 \times 100 + 3 \times 10 + 5 + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

14) $7 \times 10 + 7 + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

15) $2 \times 100 + 4 \times 10 + 5 + (6 \times \frac{1}{10})$

16) $1 \times 100 + 2 \times 10 + 2 + (3 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

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

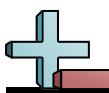**18)** $9 + (1 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

19) $9 + (6 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

20) $5 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

Answers

Ex. __**689.854**__

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

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

1) $7 \times 10 + 9 + (6 \times \frac{1}{10})$

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

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

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

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

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

7) $4 \times 100 + 6 \times 10 + 5 + (3 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

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

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

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

11) $7 \times 100 + 4 \times 10 + 8 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

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

13) $1 \times 100 + 3 \times 10 + 5 + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

14) $7 \times 10 + 7 + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

15) $2 \times 100 + 4 \times 10 + 5 + (6 \times \frac{1}{10})$

16) $1 \times 100 + 2 \times 10 + 2 + (3 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (4 \times \frac{1}{1000})$

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

18) $9 + (1 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

19) $9 + (6 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

20) $5 + (5 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

Answers

Ex.	**689.854**
1.	**79.6**
2.	**72.56**
3.	**125.82**
4.	**638.73**
5.	**7.4**
6.	**147.5**
7.	**465.382**
8.	**211.313**
9.	**3.2**
10.	**5.935**
11.	**748.751**
12.	**94.61**
13.	**135.549**
14.	**77.477**
15.	**245.6**
16.	**122.374**
17.	**7.7**
18.	**9.15**
19.	**9.671**
20.	**5.529**

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

	Expanded Notation to Numeric Form with Decimals	Name:

Convert each problem to numeric notation.

Ex) $2 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

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

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

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

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

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

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

7) $9 \times 100 + 1 \times 10 + 2 + (3 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

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

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

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

11) $1 + (8 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

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

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

14) $9 \times 10 + 4 + (9 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

15) $9 \times 10 + 5 + (2 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

16) $6 \times 10 + 8 + (6 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

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

18) $1 + (6 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

19) $5 \times 100 + 1 \times 10 + 9 + (2 \times \frac{1}{10})$

20) $5 \times 10 + 8 + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

Answers

Ex. ____ **2.181**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

Answers

Ex) $2 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

Ex. _____ **2.181**

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

1. _____ **6.213**

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

2. _____ **788.8**

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

3. _____ **695.2**

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

4. _____ **34.1**

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

5. _____ **88.27**

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

6. _____ **6.47**

7) $9 \times 100 + 1 \times 10 + 2 + (3 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

7. _____ **912.365**

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

8. _____ **1.9**

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

9. _____ **322.474**

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

10. _____ **7.84**

11) $1 + (8 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

11. _____ **1.81**

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

12. _____ **8.64**

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

13. _____ **5.4**

14) $9 \times 10 + 4 + (9 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

14. _____ **94.948**

15) $9 \times 10 + 5 + (2 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

15. _____ **95.26**

16) $6 \times 10 + 8 + (6 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

16. _____ **68.635**

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

17. _____ **1.2**

18) $1 + (6 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

18. _____ **1.682**

19) $5 \times 100 + 1 \times 10 + 9 + (2 \times \frac{1}{10})$

19. _____ **519.2**

20) $5 \times 10 + 8 + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

20. _____ **58.822**

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 problem to numeric notation.

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

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

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

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

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

5) $5 \times 100 + 2 \times 10 + 9 + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

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

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

8) $9 \times 100 + 8 \times 10 + 7 + (4 \times \frac{1}{10})$

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

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

11) $1 + (5 \times \frac{1}{10})$

12) $2 \times 10 + 6 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

13) $6 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

14) $9 + (5 \times \frac{1}{10})$

15) $2 \times 10 + 6 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

16) $9 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

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

18) $9 \times 100 + 7 \times 10 + 5 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

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

20) $2 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

Answers

Ex. ___**49.26**___

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

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

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

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

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

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

5) $5 \times 100 + 2 \times 10 + 9 + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

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

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

8) $9 \times 100 + 8 \times 10 + 7 + (4 \times \frac{1}{10})$

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

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

11) $1 + (5 \times \frac{1}{10})$

12) $2 \times 10 + 6 + (8 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

13) $6 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

14) $9 + (5 \times \frac{1}{10})$

15) $2 \times 10 + 6 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

16) $9 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

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

18) $9 \times 100 + 7 \times 10 + 5 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

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

20) $2 + (1 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

Answers

Ex. **49.26**

1. **725.3**

2. **9.511**

3. **486.146**

4. **6.4**

5. **529.19**

6. **34.63**

7. **82.29**

8. **987.4**

9. **3.7**

10. **8.21**

11. **1.5**

12. **26.86**

13. **6.253**

14. **9.5**

15. **26.18**

16. **9.78**

17. **64.9**

18. **975.57**

19. **5.36**

20. **2.18**

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 problem to numeric notation.

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

Ex. _____ **1.2**

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

1. _____

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

2. _____

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

3. _____

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

4. _____

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

5. _____

6) $3 + (2 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

6. _____

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

7. _____

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

8. _____

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

9. _____

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

10. _____

11) $7 \times 10 + 8 + (5 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

11. _____

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

12. _____

13) $4 + (2 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

13. _____

14) $3 \times 100 + 6 \times 10 + 6 + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

14. _____

15) $7 \times 10 + 8 + (2 \times \frac{1}{10})$

15. _____

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

16. _____

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

17. _____

18) $9 \times 100 + 3 \times 10 + 4 + (5 \times \frac{1}{10})$

18. _____

19) $2 \times 100 + 6 \times 10 + 9 + (7 \times \frac{1}{10})$

19. _____

20) $3 \times 100 + 7 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20. _____

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 problem to numeric notation.

Answers

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

Ex. _____ **1.2**

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

1. _____ **9.8**

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

2. _____ **9.586**

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

3. _____ **7.1**

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

4. _____ **23.22**

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

5. _____ **9.1**

6) $3 + (2 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

6. _____ **3.21**

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

7. _____ **51.45**

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

8. _____ **268.9**

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

9. _____ **96.1**

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

10. _____ **4.694**

11) $7 \times 10 + 8 + (5 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

11. _____ **78.559**

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

12. _____ **68.5**

13) $4 + (2 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

13. _____ **4.278**

14) $3 \times 100 + 6 \times 10 + 6 + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

14. _____ **366.423**

15) $7 \times 10 + 8 + (2 \times \frac{1}{10})$

15. _____ **78.2**

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

16. _____ **66.8**

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

17. _____ **61.6**

18) $9 \times 100 + 3 \times 10 + 4 + (5 \times \frac{1}{10})$

18. _____ **934.5**

19) $2 \times 100 + 6 \times 10 + 9 + (7 \times \frac{1}{10})$

19. _____ **269.7**

20) $3 \times 100 + 7 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20. _____ **379.65**

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 problem to numeric notation.

Ex) $6 \times 10 + 2 + (4 \times \frac{1}{10})$

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

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

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

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

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

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

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

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

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

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

11) $5 + (1 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

12) $2 \times 100 + 9 \times 10 + 3 + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

13) $7 \times 100 + 7 \times 10 + 8 + (2 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

14) $8 \times 100 + 4 \times 10 + 4 + (1 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

15) $1 \times 100 + 2 \times 10 + 2 + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

16) $6 \times 100 + 7 \times 10 + 2 + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

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

18) $1 \times 10 + 9 + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

19) $8 \times 10 + 4 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

20) $2 \times 10 + 3 + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

Answers

Ex. _____ **62.4**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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

Answer Key

Convert each problem to numeric notation.

Answers

Ex) $6 \times 10 + 2 + (4 \times \frac{1}{10})$

Ex. ___**62.4**___

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

1. ___**351.34**___

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

2. ___**95.64**___

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

3. ___**85.71**___

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

4. ___**742.429**___

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

5. ___**423.58**___

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

6. ___**72.74**___

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

7. ___**3.746**___

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

8. ___**367.1**___

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

9. ___**772.8**___

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

10. ___**942.85**___

11) $5 + (1 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$

11. ___**5.148**___

12) $2 \times 100 + 9 \times 10 + 3 + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

12. ___**293.89**___

13) $7 \times 100 + 7 \times 10 + 8 + (2 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

13. ___**778.295**___

14) $8 \times 100 + 4 \times 10 + 4 + (1 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

14. ___**844.156**___

15) $1 \times 100 + 2 \times 10 + 2 + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

15. ___**122.92**___

16) $6 \times 100 + 7 \times 10 + 2 + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

16. ___**672.83**___

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

17. ___**4.66**___

18) $1 \times 10 + 9 + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

18. ___**19.24**___

19) $8 \times 10 + 4 + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

19. ___**84.571**___

20) $2 \times 10 + 3 + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

20. ___**23.476**___

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 problem to numeric notation.

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

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

2) $9 \times 100 + 8 \times 10 + 7 + (3 \times \frac{1}{10})$

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

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

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

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

7) $9 \times 100 + 8 \times 10 + 1 + (7 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

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

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

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

11) $6 \times 10 + 9 + (9 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

12) $8 + (8 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

13) $3 \times 100 + 7 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

14) $2 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

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

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

17) $2 \times 100 + 5 \times 10 + 8 + (8 \times \frac{1}{10})$

18) $7 + (9 \times \frac{1}{10})$

19) $6 \times 10 + 6 + (4 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

20) $4 + (4 \times \frac{1}{10})$

Answers

Ex. _____ **8.99**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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 problem to numeric notation.

Answers

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

Ex. _____ **8.99**

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

1. _____ **1.274**

2) $9 \times 100 + 8 \times 10 + 7 + (3 \times \frac{1}{10})$

2. _____ **987.3**

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

3. _____ **135.669**

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

4. _____ **754.3**

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

5. _____ **9.68**

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

6. _____ **314.58**

7) $9 \times 100 + 8 \times 10 + 1 + (7 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

7. _____ **981.741**

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

8. _____ **529.6**

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

9. _____ **413.957**

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

10. _____ **8.719**

11) $6 \times 10 + 9 + (9 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

11. _____ **69.97**

12) $8 + (8 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

12. _____ **8.87**

13) $3 \times 100 + 7 \times 10 + 9 + (6 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

13. _____ **379.65**

14) $2 + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

14. _____ **2.786**

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

15. _____ **991.4**

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

16. _____ **82.66**

17) $2 \times 100 + 5 \times 10 + 8 + (8 \times \frac{1}{10})$

17. _____ **258.8**

18) $7 + (9 \times \frac{1}{10})$

18. _____ **7.9**

19) $6 \times 10 + 6 + (4 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

19. _____ **66.45**

20) $4 + (4 \times \frac{1}{10})$

20. _____ **4.4**

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 problem to numeric notation.

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

Ex. _____ **5.65** _____

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

1. _____

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

2. _____

3) $2 \times 100 + 4 \times 10 + 5 + (9 \times \frac{1}{10})$

3. _____

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

4. _____

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

5. _____

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

6. _____

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

7. _____

8) $6 \times 100 + 7 \times 10 + 4 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

8. _____

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

9. _____

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

10. _____

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

11. _____

12) $2 + (2 \times \frac{1}{10})$

12. _____

13) $2 \times 100 + 2 \times 10 + 4 + (6 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

13. _____

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

14. _____

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

15. _____

16) $4 + (2 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

16. _____

17) $9 \times 10 + 5 + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

17. _____

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

18. _____

19) $5 \times 100 + 5 \times 10 + 3 + (3 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

19. _____

20) $3 \times 100 + 4 \times 10 + 7 + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

20. _____

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 problem to numeric notation.

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

Ex. **5.65**

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

1. **8.298**

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

2. **7.5**

3) $2 \times 100 + 4 \times 10 + 5 + (9 \times \frac{1}{10})$

3. **245.9**

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

4. **74.863**

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

5. **8.645**

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

6. **835.7**

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

7. **79.88**

8) $6 \times 100 + 7 \times 10 + 4 + (2 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

8. **674.255**

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

9. **292.7**

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

10. **7.831**

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

11. **7.22**

12) $2 + (2 \times \frac{1}{10})$

12. **2.2**

13) $2 \times 100 + 2 \times 10 + 4 + (6 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

13. **224.68**

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

14. **6.93**

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

15. **55.41**

16) $4 + (2 \times \frac{1}{10}) + (8 \times \frac{1}{100})$

16. **4.28**

17) $9 \times 10 + 5 + (8 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$

17. **95.826**

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

18. **5.39**

19) $5 \times 100 + 5 \times 10 + 3 + (3 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$

19. **553.323**

20) $3 \times 100 + 4 \times 10 + 7 + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

20. **347.39**

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