



Convert each number to expanded notation.

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

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

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

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

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

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

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

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

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

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

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

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

12) $1 \times 100 + 7 \times 10 + 4 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

13) $9 \times 100 + 3 \times 10 + 2 + (8 \times \frac{1}{10})$

14) $4 \times 10 + 9 + (2 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

15) $5 \times 100 + 2 \times 10 + 8 + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



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

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

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

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

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

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

12) $1 \times 100 + 7 \times 10 + 4 + (7 \times \frac{1}{10}) + (5 \times \frac{1}{100})$

13) $9 \times 100 + 3 \times 10 + 2 + (8 \times \frac{1}{10})$

14) $4 \times 10 + 9 + (2 \times \frac{1}{10}) + (2 \times \frac{1}{100})$

15) $5 \times 100 + 2 \times 10 + 8 + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100})$

Answers

1. **8.4**

2. **759.9**

3. **4.326**

4. **43.9**

5. **999.492**

6. **59.344**

7. **519.93**

8. **735.9**

9. **8.6**

10. **815.17**

11. **38.11**

12. **174.75**

13. **932.8**

14. **49.22**

15. **528.91**