EduSahara™ Assignment

Name : Decimal Number Expansion

Chapter : Decimals

Grade : ICSE Grade VI

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1. Expand the decimal number 319.1

(i) $30+1+\frac{9}{10}+\frac{1}{100}$ (ii) $300+10+9+\frac{1}{100}$ (iii) $300+10+9+\frac{1}{1000}$ (iv) $3+\frac{1}{10}+\frac{9}{100}+\frac{1}{1000}$

(v) $300+10+9+\frac{1}{10}$

2. Expand the decimal number 355.9

(i) $300+50+5+\frac{9}{1000}$ (ii) $300+50+5+\frac{9}{100}$ (iii) $3+\frac{5}{10}+\frac{5}{100}+\frac{9}{1000}$ (iv) $300+50+5+\frac{9}{10}$

(v) $30+5+\frac{5}{10}+\frac{9}{100}$

3. Expand the decimal number 242.7

(i) $2+\frac{4}{10}+\frac{2}{100}+\frac{7}{1000}$ (ii) $20+4+\frac{2}{10}+\frac{7}{100}$ (iii) $200+40+2+\frac{7}{1000}$ (iv) $200+40+2+\frac{7}{100}$

(v) $200+40+2+\frac{7}{10}$

4. Expand the decimal number 379.5

(i) $300+70+9+\frac{5}{1000}$ (ii) $30+7+\frac{9}{10}+\frac{5}{100}$ (iii) $300+70+9+\frac{5}{10}$ (iv) $3+\frac{7}{10}+\frac{9}{100}+\frac{5}{1000}$

(v) $300+70+9+\frac{5}{100}$

5. Expand the decimal number 233.38

(i) $2+\frac{3}{10}+\frac{3}{100}+\frac{3}{1000}+\frac{8}{10000}$ (ii) $20+3+\frac{3}{10}+\frac{3}{100}+\frac{8}{1000}$ (iii) $200+30+3+\frac{3}{10}+\frac{8}{100}$

(iv) $200+30+3+\frac{3}{100}+\frac{8}{1000}$ (v) $200+30+3+\frac{3}{1000}+\frac{8}{10000}$

6. Expand the decimal number 46.426

(i) $4+\frac{6}{10}+\frac{4}{100}+\frac{2}{1000}+\frac{6}{10000}$ (ii) $40+6+\frac{4}{100}+\frac{2}{1000}+\frac{6}{10000}$ (iii) $40+6+\frac{4}{10}+\frac{2}{100}+\frac{6}{1000}$

(iv) $\frac{4}{10}+\frac{6}{100}+\frac{4}{1000}+\frac{3}{10000}$ (v) $40+6+\frac{4}{1000}+\frac{3}{10000}$

7. Expand the decimal number 41.7357

(i) $40+1+\frac{7}{1000}+\frac{4}{10000}$ (ii) $40+1+\frac{7}{10}+\frac{3}{100}+\frac{5}{1000}+\frac{7}{10000}$ (iii) $4+\frac{1}{10}+\frac{7}{100}+\frac{3}{1000}+\frac{6}{10000}$

(iv) $\frac{4}{10}+\frac{1}{100}+\frac{7}{1000}+\frac{4}{10000}$ (v) $40+1+\frac{7}{100}+\frac{3}{1000}+\frac{6}{10000}$

Write the decimal number of the expanded form :

8. $2+\frac{1}{10}$

(i) 2.01 (ii) 0.21 (iii) 0.021 (iv) 2.1 (v) 2.001

Write the decimal number of the expanded form :

9. $7+\frac{3}{10}+\frac{9}{100}$

(i) 7.39 (ii) 0.0739 (iii) 7.0039 (iv) 0.739 (v) 7.039

10. Expand the decimal number 274.65

(i) $200+70+4+\frac{6}{100}+\frac{5}{1000}$ (ii) $200+70+4+\frac{6}{1000}+\frac{5}{10000}$ (iii) $20+7+\frac{4}{10}+\frac{6}{100}+\frac{5}{1000}$

(iv) $200+70+4+\frac{6}{10}+\frac{5}{100}$ (v) $2+\frac{7}{10}+\frac{4}{100}+\frac{6}{1000}+\frac{5}{10000}$

11. Expand the decimal number 32.494

(i) $30+2+\frac{4}{10}+\frac{9}{100}+\frac{4}{1000}$ (ii) $30+2+\frac{4}{1000}+\frac{9}{10000}$ (iii) $3+\frac{2}{10}+\frac{4}{100}+\frac{9}{1000}+\frac{4}{10000}$

(iv) $30+2+\frac{4}{100}+\frac{9}{1000}+\frac{4}{10000}$ (v) $\frac{3}{10}+\frac{2}{100}+\frac{4}{1000}+\frac{9}{10000}$

12. Expand the decimal number 28.7027

(i) $20+8+\frac{7}{10}+\frac{2}{1000}+\frac{7}{10000}$ (ii) $2+\frac{8}{10}+\frac{7}{100}+\frac{3}{10000}$ (iii) $20+8+\frac{7}{1000}$ (iv) $\frac{2}{10}+\frac{8}{100}+\frac{7}{1000}$

(v) $20+8+\frac{7}{100}+\frac{3}{10000}$

Write the decimal number of the expanded form :

13. $3+\frac{2}{10}$

(i) 3.002 (ii) 3.2 (iii) 0.32 (iv) 3.02 (v) 0.032

Write the decimal number of the expanded form :

14. $10+\frac{6}{10}+\frac{1}{100}$

(i) 1.061 (ii) 10.0061 (iii) 10.061 (iv) 0.1061 (v) 10.61

15. Write the decimal number of the expanded form :

$6+\frac{3}{10}+\frac{8}{100}+\frac{2}{1000}$

(i) 0.6382 (ii) 0.06382 (iii) 6.00382 (iv) 6.382 (v) 6.0382

16. Write the decimal number of the expanded form :

$10+\frac{9}{10}+\frac{6}{100}+\frac{6}{1000}+\frac{5}{10000}$

(i) 10.009665 (ii) 10.9665 (iii) 1.09665 (iv) 0.109665 (v) 10.09665

17. Write the decimal number of the expanded form :

$9+\frac{4}{10}+\frac{6}{100}+\frac{5}{1000}$

(i) 9.0465 (ii) 0.9465 (iii) 9.00465 (iv) 9.465 (v) 0.09465

18. Write the decimal number of the expanded form :

$6+\frac{8}{10}+\frac{1}{1000}+\frac{7}{10000}$

(i) 0.068017 (ii) 6.08017 (iii) 6.8017 (iv) 6.008017 (v) 0.68017

19. Write the decimal number of the expanded form :

$4+\frac{7}{10}+\frac{3}{100}+\frac{4}{1000}$

(i) 0.04734 (ii) 4.00734 (iii) 4.0734 (iv) 0.4734 (v) 4.734

20. Write the decimal number of the expanded form :

$7+\frac{9}{10}+\frac{5}{100}+\frac{2}{1000}$

(i) 7.952 (ii) 0.07952 (iii) 7.0952 (iv) 7.00952 (v) 0.7952

Assignment Key

1) (v)	2) (iv)	3) (v)	4) (iii)	5) (iii)	6) (iii)
7) (ii)	8) (iv)	9) (i)	10) (iv)	11) (i)	12) (i)
13) (ii)	14) (v)	15) (iv)	16) (ii)	17) (iv)	18) (iii)
19) (v)	20) (i)				

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