

**1. Write each of the following decimal numbers in words:**

(i) 30.5

(ii) 0.03

(iii) 108.56

(iv) 47.20

(v) 5.008

(vi) 26.039

**Solution:-**

Given decimal can be written in the word form as,

(i) 30.5 = Thirty point five

(ii) 0.03 = zero point zero three

(iii) 108.56 = One hundred eight point five six

(iv) 47.20 = Forty seven point two zero.

(v) 5.008 = Five point zero zero eight

(vi) 26.039 = Twenty six point zero three nine

**2. Write each of the following decimal numbers in the place value table :**

(i) 4.2

(ii) 0.3

(iii) 205.9

(iv) 0.29

(v) 2.08

(vi) 7200.812

(vii) 38.00

**Solution:-**

Given decimal number can be written in the place value table as,

Places	Thousands	Hundreds	Tens	One	Tenths	Hundredths	Thousandths
Values	1000	100	10	1	1/10	1/100	1/1000
(i) 4.2				4	2		
(ii) 0.3				0	3		
(iii) 205.9		2	0	5	9		
(iv) 0.29				0	2	9	
(v) 2.08				2	0	8	
(vi) 7200.812	7	2	0	0	8	1	2
(vii) 38.007			3	8	0	0	7

**3. Write the following decimal numbers in the expanded form :**

**(i) 123.7**

**(ii) 43.06**

**(iii) 509.306**

**Solution:-**

(i)  $123.7 = 100 + 20 + 3 + 7/10$

(ii)  $43.06 = 40 + 3 + 6/100$

(iii)  $509.306 = 500 + 9 + 3/10 + 6/1000$

**4. Write each of the following as a decimal number.**

**(i)  $200 + 60 + 5 + 3/10$**

**Solution:-**

Above question can be written in decimal form as = 265.3

**(ii)  $50 + 1/10 + 6/100$**

**Solution:-**

Above question can be written in decimal form as = 50.16

**(iii)  $70 + 6 + 7/10 + 9/1000$**

**Solution:-**

Above question can be written in decimal form as = 76.709

**(iv)  $600 + 7 + 3/100 + 6/100$**

**Solution:-**

Above question can be written in decimal form as = 607.036

**5. Write each of the following as decimals:**

**(i) Two ones and five tenths**

**Solution:-**

Above questions can be written as,

$$= (2 \times 1) + (5 \times (1/10))$$

$$= 2 + 5/10$$

$$= 2 + 0.5$$

$$= 2.5$$

**(ii) Two tens and nine tenths**

**Solution:-**

Above questions can be written as,

$$= (2 \times 10) + (9 \times (1/10))$$

$$= 20 + 9/10$$

$$= 20 + 0.9$$

$$= 20.9$$

**(iii) Six hundred point eight**

**Solution:-**

Above questions can be written as,

$$= 600.8$$

**(iv) Two hundred five and five hundredths**

**Solution:-**

Above questions can be written as,

$$= (205) + (5 \times (1/100))$$

$$= 205 + 5/100$$

$$= 205 + 0.05$$

$$= 205.05$$

**(v) Seven and fifteen thousandths**

**Solution:-**

Above questions can be written as,

$$= (7 \times 1) + (15 \times (1/1000))$$

$$= 7 + 15/1000$$

$$= 7 + 0.015$$

$$= 7.015$$

**6. Write the number given in the following place value table in decimal form:**

	Thousands	Hundreds	Tens	One	Tenths	Hundredths	Thousandths
	1000	100	10	1	1/10	1/100	1/1000
(i)	7	1	0	2	3	0	6
(ii)		2	1	1	9	0	2
(iii)	3	0	5	3	0	1	5
(iv)			7	0	0	3	
(v)				5	4	0	
(vi)		7	1	9	0	2	8

**Solution:-**

- (i) 7102.111
- (ii) 211.902
- (iii) 3053.015
- (iv) 70.03
- (v) 5.40
- (vi) 719.028

