## EXERCISE 7.1

1. Write the following decimals in the place value table:
(i) 52.5
(ii) 12.57
(iii) 15.05
(iv) 74.059
(v) 0.503

Solution:
(i)
(ii)
(iii)
(iv)
(v)

| Decimals | Thousands | Hundreds | Tens | Ones | Tenths | Hundredths | Thousandths |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52.5 |  |  | 5 | 2 | 5 |  |  |
| 12.57 |  |  | 1 | 2 | 5 | 7 |  |
| 15.05 |  |  | 1 | 5 | 0 | 5 |  |
| 74.059 |  |  | 7 | 4 | 0 | 5 | 9 |
| 0.503 |  |  |  | 0 | 5 | 0 | 3 |

2. Write the decimals shown in the following place value table:
(i)
(ii)
(iii)

| Thousands | Hundreds | Tens | Ones | Tenths | Hundredths | Thousandths |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{3}$ | 0 | 7 | $\mathbf{1}$ | 2 |  |
| 9 | 5 | $\mathbf{4}$ | 3 | 0 | 2 | 5 |
|  |  | $\mathbf{1}$ | 2 | 5 | 0 | 3 |

## Solution:

(i) We can write it as 307.12
(ii) We can write it as 9543.025
(iii) We can write it as 12.503
3. Write each of the following decimals in words:
(i) 175.04
(ii) 0.21
(iii) 9.004
(iv) 0.459

Solution:
(i) 175.04 can be written as one hundred seventy five and four hundredths.
(ii) 0.21 can be written as zero and twenty one hundredths.
(iii) 9.004 can be written as nine and four thousandths.
(iv) 0.459 can be written as zero and four hundred fifty nine thousandths.
4. Write each of the following as decimals:
(i) $\mathbf{6 5 + 2 / 1 0 + 7 / 1 0 0}$
(ii) $45+9 / 100$
(iii) $88+5 / 10+2 / 1000$
(iv) $\mathbf{3 / 1 0}+\mathbf{7 / 1 0 0 0}$

Solution:
(i) $65+2 / 10+7 / 100$

In the above question
We know that
6 tens, 5 ones, 2 tenths and 7 hundredths Hence, the decimal number is 65.27 .
(ii) $45+9 / 100$

In the above question
We know that
4 tens, 5 ones and 9 hundredths
Hence, the decimal number is 45.09 .
(iii) $88+5 / 10+2 / 1000$

In the above question
We know that
8 tens, 8 ones, 5 tenths and 2 thousandths
Hence, the decimal number is 88.502 .
(iv) $3 / 10+7 / 1000$

In the above question
We know that
3 tenths and 7 thousandths
Hence, the decimal number is 0.307 .
5. Write each of the following as decimals:
(i) Five and four tenths
(ii) Twelve and four hundredths
(iii) Nine and Seven hundred five thousandths
(iv) Zero point five two six
(v) Forty seven and six thousandths
(vi) Eight thousandths
(vii) Nineteen and nineteen hundredths.

Solution:
(i) Five and four tenths

It can be written as
$5+4 / 10=5.4$
(ii) Twelve and four hundredths

It can be written as
$12+4 / 100=12.04$
(iii) Nine and Seven hundred five thousandths It can be written as
$9+705 / 1000=9.705$
(iv) Zero point five two six

It can be written as
0.526
(v) Forty seven and six thousandths

It can be written as
$47+6 / 1000=47.006$
(vi) Eight thousandths

It can be written as
$8 / 1000=0.008$
(vii) Nineteen and nineteen hundredths

It can be written as
$19+19 / 100=19.19$

