Exercise 3A

(i) $\frac{47}{10}$

On dividing, we get:

$$\begin{array}{r} 10\overline{)\,47\,(4.7} \\ -40 \\ \hline 70 \\ -70 \\ \hline \times \end{array}$$

$\therefore \frac{47}{10} = 4.7$

(ii) $\frac{156}{100}$

On dividing, we get:

Q4

Answer :

Converting the given decimals into like decimals, we have:

(i) 6.500, 16.030, 0.274 and 119.400

(ii) 3.50, 0.67, 15.60 and 4.00

Q5

Answer :

We have,

(i) Comparing the whole number part, 78 > 69.

Thus, 78.23 > 69.85

(ii) Converting the decimals into like decimals, we get 3.406 and 3.460.

Comparing the whole number parts, 3 = 3

Comparing the tenths digit, 4 = 4
Comparing the hundredths digit, 6 > 0
Thus, 3.406 < 3.46

(iii) Comparing the whole number parts, 5 = 5
Comparing the tenths digit, 6 < 8
Thus, 5.68 < 5.86

(iv) Converting the decimals into like decimals, we get 14.050 and 14.005.
Comparing the whole number parts, 14 = 14
Comparing the tenths digit, 0 = 0
Comparing the hundredths digit, 5 > 0
Thus, 14.05 > 14.005

(v) Converting the decimals into like decimals, we get 1.850 and 1.805.
Comparing the whole number parts, 1 = 1
Comparing the tenths digit, 8 = 8
Comparing the hundredths digit, 5 > 0
Thus, 1.85 > 1.805

(vi) Comparing the whole number parts, 0 < 1
Thus, 0.98 < 1.07

Q6

Answer :

(i) Converting the given decimals into like decimals, we get:
4.60, 7.40, 4.58, 7.32, 4.06
Clearly, 4.06 < 4.58 < 4.60 < 7.32 < 7.40
Hence, the given decimals in ascending order are 4.06, 4.58, 4.6, 7.32 and 7.4.

********** END **********