



Exercise 7A

Q1

Answer :

- (i) 58.63
- (ii) 124.425
- (iii) 7.76
- (iv) 19.8
- (v) 404.044
- (vi) 0.173
- (vii) 0.015

Q2

Answer :

(i) In 14.83, we have:

Place value of 1 = 1 tens = 10

Place value of 4 = 4 ones = 4

Place value of 8 = 8 tenths = $\frac{8}{10}$

Place value of 3 = 3 hundredths = $\frac{3}{100}$

(ii) In 275.269, we have:

Place value of 2 = 2 hundreds = 200

Place value of 7 = 7 tens = 70

Place value of 5 = 5 ones = 5

Place value of 2 = 2 tenths = $\frac{2}{10}$

Place value of 6 = 6 hundredths = $\frac{6}{100}$

$$\text{Place value of 9} = 9 \text{ thousandths} = \frac{9}{1000}$$

(iii) In 46.075, we have:

$$\text{Place value of 4} = 4 \text{ tens} = 40$$

$$\text{Place value of 6} = 6 \text{ ones} = 6$$

$$\text{Place value of 0} = 0 \text{ tenths} = \frac{0}{10} = 0$$

$$\text{Place value of 7} = 7 \text{ hundredths} = \frac{7}{100}$$

$$\text{Place value of 5} = 5 \text{ thousandths} = \frac{5}{1000}$$

(iv) In 302.459, we have:

$$\text{Place value of 3} = 3 \text{ hundreds} = 300$$

$$\text{Place value of 0} = 0 \text{ tens} = 0$$

$$\text{Place value of 2} = 2 \text{ ones} = 2$$

$$\text{Place value of 4} = 4 \text{ tenths} = \frac{4}{10}$$

$$\text{Place value of 5} = 5 \text{ hundredths} = \frac{5}{100}$$

$$\text{Place value of 9} = 9 \text{ thousandths} = \frac{9}{1000}$$

(v) In 5370.34, we have:

Place value of 5 = 5 thousands = 5000

Place value of 3 = 3 hundreds = 300

Place value of 7 = 7 tens = 70

Place value of 0 = 0 ones = 0

Place value of 3 = 3 tenths = $\frac{3}{10}$

Place value of 4 = 4 hundredths = $\frac{4}{100}$

(vi) In 186.209, we have:

Place value of 1 = 1 hundreds = 100

Place value of 8 = 8 tens = 80

Place value of 6 = 6 ones = 6

Place value of 2 = 2 tenths = $\frac{2}{10}$

Place value of 0 = 0 hundredths = 0

Place value of 9 = 9 thousandths = $\frac{9}{1000}$

Q3

Answer :

(i) 67.83

= 6 tens + 7 ones + 8 tenths + 3 hundredths

$$= 60 + 7 + \frac{8}{10} + \frac{3}{100}$$

(ii) 283.61

= 2 hundreds + 8 tens + 3 ones + 6 tenths + 1 hundredths

$$= 200 + 80 + 3 + \frac{6}{10} + \frac{1}{100}$$

(iii) 24.675

= 2 tens + 4 ones + 6 tenths + 7 hundredths + 5 thousandths

$$= 20 + 4 + \frac{6}{10} + \frac{7}{100} + \frac{5}{1000}$$

(iv) 0.294

= 2 tenths + 9 hundredths + 4 thousandths

$$= \frac{2}{10} + \frac{9}{100} + \frac{4}{1000}$$

(v) 8.006

= 8 ones + 0 tenths + 0 hundredths + 6 thousandths

$$= 8 + \frac{0}{10} + \frac{0}{100} + \frac{6}{1000}$$

(vi) 4615.72

= 4 thousands + 6 hundreds + 1 tens + 5 ones + 7 tenths + 2 hundredths

$$= 4000 + 600 + 10 + 5 + \frac{7}{10} + \frac{2}{100}$$

Q4

Answer :

$$(i) 40 + 6 + \frac{7}{10} + \frac{9}{100} = 46 + 0.7 + .09 = 46.79$$

$$(ii) 500 + 70 + 8 + \frac{3}{10} + \frac{1}{100} + \frac{6}{1000} = 578 + 0.3 + 0.01 + 0.006 = 578.316$$

$$(iii) 700 + 30 + 1 + \frac{8}{10} + \frac{4}{100} = 731 + 0.8 + 0.04 = 731.84$$

$$(iv) 600 + 5 + \frac{7}{100} + \frac{9}{1000} = 605 + 0.07 + 0.009 = 605.079$$

$$(v) 800 + 5 + \frac{8}{10} + \frac{6}{1000} = 805 + 0.8 + 0.006 = 805.806$$

$$(vi) 30 + 9 + \frac{4}{100} + \frac{8}{1000} = 39 + 0.04 + 0.008 = 39.048$$

Q5

Answer :

(i) Each of the numbers has maximum 3 decimal places. So, we convert them into numbers having three decimal places by annexing suitable number of zeroes to the extreme right of the decimal part.

$$7.5 = 7.500$$

$$64.23 = 64.230$$

$$0.074 = 0.074$$

(ii) Each of the numbers has maximum 3 decimal places. So, we convert them into numbers having three decimal places by annexing suitable number of zeroes to the extreme right of the decimal part.

$$0.6 = 0.600$$

$$5.937 = 5.937$$

$$2.36 = 2.360$$

$$4.2 = 4.200$$

(iii) Each of the numbers has maximum 2 decimal places. So, we convert them into numbers having three decimal places by annexing suitable number of zeroes to the extreme right of the decimal part.

$$1.6 = 1.60$$

$$0.07 = 0.07$$

$$3.58 = 3.58$$

$$2.9 = 2.90$$

(iv) Each of the numbers has maximum 3 decimal places. So, we convert them into numbers having three decimal places by annexing suitable number of zeroes to the extreme right of the decimal part.

$$2.5 = 2.500$$

$$0.63 = 0.630$$

$$14.08 = 14.080$$

$$1.637 = 1.637$$

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