

EXERCISE 15(B)

Question 1.

Add the following :

(i) 0.243, 2.47 and 3.009

(ii) 0.0736, 0.6095 and 0.9107

(iii) 1.01, 257 and 0.200

(iv) 18, 200.35, 11.72 and 2.3

(v) 0.586, 0.0586 and 0.00586

Solution:

$$\begin{array}{r} \text{(i)} \quad 0.243 \\ + 2.470 \\ + 3.009 \\ \hline 5.722 \end{array}$$

$$\begin{array}{r} \text{(ii)} \quad 0.0736 \\ + 0.6095 \\ + 0.9107 \\ \hline 1.5938 \end{array}$$

$$\begin{array}{r} \text{(iii)} \quad 1.010 \\ + 257.000 \\ + 0.200 \\ \hline 258.210 \end{array}$$

$$\begin{array}{r} \text{(iv)} \quad 18.00 \\ + 200.35 \\ 11.72 \\ 2.30 \\ \hline 232.37 \end{array}$$

$$\begin{array}{r} \text{(v)} \quad 0.58600 \\ + 0.05860 \\ + 0.00586 \\ \hline 0.65046 \end{array}$$

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Question 2.

Find the value of :

(i) $6.8 - 2.64$

(ii) $2 - 1.0304$

(iii) $0.1 - 0.08$

(iv) $0.83 - 0.342$

Solution:

(i) $6.8 - 2.64$

$$\begin{array}{r} 6.80 \\ -2.64 \\ \hline 4.16 \end{array}$$

$$= 6.80 - 2.64 = 4.16$$

(ii) $2 - 1.0304$

$$\begin{array}{r} 2.0000 \\ -1.0304 \\ \hline 0.9696 \end{array}$$

(iii) $0.1 - 0.08$

$$\begin{array}{r} 0.10 \\ -0.08 \\ \hline 0.02 \end{array}$$

(iv) $0.83 - 0.342$

$$\begin{array}{r} 0.830 \\ -0.342 \\ \hline 0.488 \end{array}$$

Question 3.

Subtract :

(i) 0.43 from 0.97

(ii) 2.008 from 22.1058

(iii) 0.18 from 0.6

(iv) 1.002 from 17

(v) 83 from 92.05

Solution:

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(i) 0.43 from 0.97

$$\begin{array}{r} 0.97 \\ -0.43 \\ \hline 0.54 \end{array}$$

(ii) 2.008 from 22.1058

$$\begin{array}{r} 22.1058 \\ -2.0080 \\ \hline 20.0978 \end{array}$$

(iii) 0.18 from 0.6

$$\begin{array}{r} 0.60 \\ -0.18 \\ \hline 0.42 \end{array}$$

(iv) 1.002 from 17

$$\begin{array}{r} 17.000 \\ -1.002 \\ \hline 15.998 \end{array}$$

$$= 17.000 - 1.002 = 15.998$$

(v) 83 from 92.05

$$\begin{array}{r} 92.05 \\ -83.00 \\ \hline 9.05 \end{array}$$

Question 4.

Simplify :

(i) $3.5 - 2.43 + 0.075$

(ii) $7.84 + 0.3 - 4.016$

(iii) $2.987 - 1.25 - 0.54$

(iv) $52.9 - 231.666 + 204$

(v) $8.57 - 6.4432 - 1.70 + 0.683$

Solution:

(i) $3.5 - 2.43 + 0.075$

$$= 3.500 + 0.075 - 2.43$$

$$= 3.575 - 2.430 = 1.145$$

(ii) $7.84 + 0.3 - 4.016$

$$= 7.840 + 0.300 - 4.016$$

$$= 8.140 - 4.016$$

$$= 4.124$$

(iii) $2.987 - 1.25 - 0.54$

$$= 2.987 - 1.79$$

$$= 2.987 - 1.790$$

$$= 1.197$$

(iv) $52.9 - 231.666 + 204$

$$= 52.9 - 231.666 + 204.0$$

$$= 256.9 - 231.666$$



$$= 256.900 - 231.666$$

$$= 25.234$$

Question 5.

From the sum of 75.75 and 4.9 subtract 28.465.

Solution:

$$\begin{array}{r} 75.75 \\ + 4.90 \\ \hline 80.65 \end{array} \quad \begin{array}{r} 80.650 \\ - 28.465 \\ \hline 52.185 \end{array}$$

Question 6.

Subtract the sum of 8.14 and 12.9 from 32.7.

Solution:

$$\begin{array}{r} 8.14 \\ + 12.9 \\ \hline 21.04 \end{array} \quad \begin{array}{r} 32.70 \\ - 21.04 \\ \hline 11.66 \end{array}$$

Question 7.

Subtract the sum of 34.27 and 159.8 from the sum of 20.937 and 200.6.

Solution:

$$\begin{array}{r} 34.27 \\ + 159.8 \\ \hline 194.07 \end{array} \quad \begin{array}{r} 20.937 \\ + 200.6 \\ \hline 221.537 \end{array} \quad \begin{array}{r} 221.537 \\ - 194.070 \\ \hline 27.467 \end{array}$$

Question 8.

From the sum of 2.43 and 4.349 subtract the sum of 0.8 and 3.15.

Solution:

$$\begin{array}{r} 2.43 \\ + 4.349 \\ \hline 6.779 \end{array} \quad \begin{array}{r} 0.8 \\ + 3.15 \\ \hline 3.95 \end{array} \quad \begin{array}{r} 6.779 \\ - 3.95 \\ \hline 2.829 \end{array}$$

Question 9.

By how much does the sum of 18.0495 and 34.9644 exceed the sum of 7.6752 and 24.876 ?

Solution:

$$\begin{array}{r} 18.0495 \\ + 34.9644 \\ \hline 53.0139 \end{array} \quad \begin{array}{r} 7.6752 \\ + 24.876 \\ \hline 32.5512 \end{array} \quad \begin{array}{r} 53.0139 \\ - 32.5512 \\ \hline 20.4627 \end{array}$$

Question 10.

What least number must be added to 89.376 to get 1000?

Solution:

$$\begin{array}{r} 1000.000 \\ -89.376 \\ \hline 910.624 \end{array}$$

∴ The number add to recieve 1000
= **910.624**



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