



## Exercise 1A

$$= -154$$

Subtracting the sum from  $-34$ , we get

$$-34 - (-154)$$

$$= (-34) + 154$$

$$= 120$$

**Solution 06:**

**Answer :**

First, we will calculate the sum of 38 and  $-87$ .

$$38 + (-87) = -49$$

Now, subtracting  $-134$  from the sum, we get:

$$-49 - (-134)$$

$$= (-49) + 134$$

$$= 85$$

**Solution 07:**

**Answer :**

(i)  $-41$  ( $\because$  Associative property)

(ii)  $-83$  ( $\because$  Associative property)

(iii)  $53$  ( $\because$  Commutative property)

(iv)  $-76$  ( $\because$  Commutative property)

(v)  $0$  ( $\because$  Additive identity)

(vi)  $83$  ( $\because$  Additive inverse)

(vii)  $(-60) - (-59) = -1$

(viii)  $(-40) - (-31) = -9$

Solution 08:

**Answer :**

$$\begin{aligned} & \{-13 - (-27)\} + \{-25 - (-40)\} \\ &= \{-13 + 27\} + \{-25 + 40\} \\ &= 14 + 15 \\ &= 29 \end{aligned}$$

Solution 09:

**Answer :**

$$36 - (-64) = 36 + 64 = 100$$

$$\text{Now, } (-64) - 36 = (-64) + (-36) = -100$$

$$\text{Here, } 100 \neq -100$$

Thus, they are not equal.

Solution 10:

**Answer :**

$$(a + b) + c = (-8 + (-7)) + 6 = -15 + 6 = -9$$

$$a + (b + c) = -8 + (-7 + 6) = -8 + (-1) = -9$$

Hence,  $(a + b) + c = a + (b + c)$  [i.e., Property of Associativity]

Solution 11:

**Answer :**

$$\text{Here, } (a - b) = -9 - (-6) = -3$$

$$\text{Similarly, } (b - a) = -6 - (-9) = 3$$

$$\therefore (a-b) \neq (b-a)$$

**Solution 12:**

**Answer :**

Let the other integer be  $a$ . Then, we have:

$$53 + a = -16$$

$$\Rightarrow a = -16 - 53 = -69$$

$\therefore$  The other integer is  $-69$ .

**Solution 13:**

**Answer :**

Let the other integer be  $a$ .

$$\text{Then, } -31 + a = 65$$

$$\Rightarrow a = 65 - (-31) = 96$$

$\therefore$  The other integer is  $96$ .

**Solution 14:**

**Answer :**

We have:

$$a - (-6) = 4$$

$$\Rightarrow a = 4 + (-6) = -2$$

\*\*\*\*\* END \*\*\*\*\*