



## Addition and subtraction of integers

**1. Write down a pair of integers whose:**

- A. sum is  $-2$
- B. difference is  $-3$
- C. difference is  $3$
- D. sum is  $0$
- E. sum is  $-6$
- F. difference is  $-8$

**2. Write a pair of negative integers whose difference gives  $7$ .**

**3. Write a negative integer and a positive integer whose difference is  $-4$ .**

**4. In a quiz, team A scored  $-60$ ,  $20$ ,  $0$  and team B scored  $10$ ,  $-30$ ,  $0$  in the three successive rounds. Which team scored more?**

**5. A plane is flying at a height of  $4,200$  m at Shimla, temperature was  $-5^{\circ}\text{C}$  on Sunday and it dropped by  $2^{\circ}\text{C}$  on Monday. What was the temperature of Shimla on Monday? On Tuesday it raised by  $1.5^{\circ}\text{C}$ , what was the temperature on this day?**

**6. Above the sea level. At a particular point, it is exactly above a submarine floating  $1100$  m below the sea level, what is the vertical distance between?**

**7. Himanshu deposited ₹  $5000$  in his bank account and withdraws ₹  $1672$  from it, the next day of withdrawal of amount from the account is represented by a negative integer, and then how will you represent the amount deposited? Find the balance left in Himanshu's account after the withdrawal.**

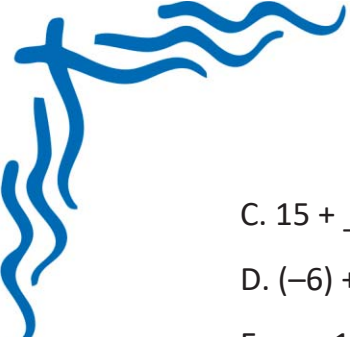
**1. Write T for a true and F for false statement:—**

- A. The sum of an integer and its negative is zero.
- B. The sum of two negative integers is a positive integer.
- C. The negative of a negative integer is a positive integer.
- D. The negative of a positive integer is a positive integer.
- E. The sum of a negative integer and a positive integer is always a negative integer.

**2. Fill in the blanks to make the following statements true:—**

A.  $(-8) + (-5) = (-5) + \underline{\hspace{2cm}}$

B.  $-98 + \underline{\hspace{2cm}} = -98$



C.  $15 + \underline{\hspace{1cm}} = 0$

D.  $(-6) + [20 + (-7)] = [(-6) + 20] + \underline{\hspace{1cm}}$

E.  $\underline{\hspace{1cm}} - 18 = -18$

F.  $[18 + (-9)] + \underline{\hspace{1cm}} = 18 + [(-9) + (-6)]$

**3. Verify the following and state the property used:–**

A.  $6 + (-4) = 2$  and  $(-4) + 6 = 2$  \_\_\_\_\_

B.  $(-8) + (-1) = (-1) + (-8) =$  \_\_\_\_\_