More Questions for Practice

1. How many integers are there in between
   (*a*) –3 and 3? (*b*) –5 and 0? (*c*) 0 and 7? (*d*) –13 and –10?

2. Which of the following statements are *true*?
   (*a*) 5 > –4 (*b*) –8 > –13 (*c*) 0 < –7.

3. Which number in each of the following pairs is greater?
   (*a*) –17, –9 (*b*) 11 and –13 (*c*) 0 and –17 (*d*) –210, 135
   (*e*) –87, –98.

4. With the help of number line, give two possible integral values of x, for each of the following:
   (*a*) $x > -7$ (*b*) $x < 0$ (*c*) $x > -10$ (*d*) $x < 4$
   (*e*) $0 < x < 5$ (*f*) $-7 < x < -4$.

5. Using the number line, find the sum:
   (*a*) (+5) + (–10) (*b*) (–4) + 7 (*c*) 5 + (–7) (*d*) (–2) + (–3) + (–4).

6. Find the sum with the help of bottle caps (or carrom coins):
   (*a*) (–5) + 8 (*b*) (–4) + 5 (*c*) 11 + (–12).

7. Find the sum:
   (*a*) 51 + (–40) (*b*) 97 + (–90) (*c*) (–71) + (–29).

8. Find:
   (*a*) (–84) + (–112) + (+313) + (–307) + (–115)
   (*b*) (+147) + (–189) + (+372) + (–615) + (+456).

9. While playing cards, Ahmed won ₹ 79 in the first game, lost ₹ 60 in the second game, again won ₹ 58 in the third game and finally lost ₹ 113 in the fourth game. Find his final loss or gain.

10. Anita deposited ₹ 500 in her account on Monday, and then withdrew ₹ 375 on Tuesday. Next day she again deposited ₹ 750. What was the balance in her account on Wednesday?

11. Find:
    (*a*) (+34) – (–34) (*b*) (–17) – (0) (*c*) (–51) – (–51).

12. Subtract:
    (*a*) –93 from 0 (*b*) 76 from –30 (*c*) 0 from –94.

13. A place is 750 m above sea level and another is 335 m below sea level. What is the difference of levels between the two places?

14. From the sum of 255 and –183, subtract –273.

15. Subtract the sum of –1360 and 1258 from the sum of 1245 and –1425.

16. The sum of two integers is 147. If one of the integers is –59, find the other integer.

17. Complete the following subtraction (−) table:

Second Number

−	−3	−2	−1	0	1	2	−4	4
−2								−6
0		2						
2				2				
−3	0					−5		
3		5						
4						2		
−4			−3		−5			
−5							−1	
5	8							

(Left label: **First Number**)

18. Which of the following statements are *true* (T)?

   (a) $12 > -7 - (-22)$ (b) $4 - 7 < 13 - 0$

   (c) $3 + (-10) < -9 - (-1)$ (d) $(-15) - 8 = 8 - (-15)$

19. Find:

   (a) $(-10) - (-20) - (-30) - (-40) - 50$

   (b) $3 + (-3) + 3 - (-3) + 3 + (-3) + 3 - (-3)$

20. For $p = 7$ and $q = -3$, verify each of the following:

   (a) $p + q = q + p$ (b) $p \times q = q \times p$

   (c) $p - q \neq q - p$ (d) $p - 0 = p$, but $0 - q \neq q$.

ANSWERS

1. (a) five   (b) four   (c) six   (d) two   **2.** (a), (b)

3. (a) −9   (b) 11   (c) 0   (d) 135   (e) −87

4. (a) 0, −5   (b) −1, −4   (c) −9, −4   (d) 0, 1   (e) 2, 3   (f) −6, −5.

5. (a) −5   (b) 3   (c) −2   (d) −9

6. (a) 3   (b) 1   (c) −1   **7.** (a) 11   (b) 7   (c) −100

8. (a) −305   (b) 171   **9.** Loss of ₹ 36   **10.** ₹ 875.

11. (a) 68   (b) −17   (c) 0   **12.** (a) 93   (b) −106   (c) −94

13. 1,085 m   **14.** 345   **15.** −78   **16.** 206

17.

−	−3	−2	−1	0	1	2	−4	4
−2	1	0	−1	−2	−3	−4	2	−6
0	3	2	1	0	−1	−2	4	−4
2	5	4	3	2	1	0	6	−2
−3	0	−1	−2	−3	−4	−5	1	−7
3	6	5	4	3	2	1	7	−1
4	7	6	5	4	3	2	8	0
−4	−1	−2	−3	−4	−5	−6	0	−8
−5	−2	−3	−4	−5	−6	−7	−1	−9
5	8	7	6	5	4	3	9	1

18. (b)

19. (a) 30   (b) 12.