MCQ WORKSHEET-I
CLASS – VII: CHAPTER – 1
INTEGERS

1. 2 subtracted from 7 gives
   (a) – 9   (b) 5   (c) - 5   (d) 9

2. 5 added to – 5 gives
   (a) 10   (b) - 10   (c) 0   (d) - 25

3. 3 taken away from 0 gives
   (a) 3   (b) - 3   (c) 0   (d) not possible

4. Smallest integer is
   (a) 0   (b) - 1   (c) we cannot write   (d) – 10000

5. Which of the following statement is true:
   (a) 2 subtracted from – 3 gives 1   (b) – 1 subtracted from – 5 gives 6
   (c) 3 subtracted from – 8 gives – 11   (d) 1 subtracted from – 7 gives – 6

6. Absolute value of - 11 is
   (a) 10   (b) – 1   (c) 11   (d) – 11

7. The number 3 less than – 2 is
   (a) – 1   (b) 1   (c) 5   (d) – 5

8. Which of the following numbers is to the right of -3 on number line ?
   (a) -4   (b) -2   (c) -5   (d) -6

9. Which of the following number is not to the left of -10 on the number line ?
   (a) -9   (b) - 11   (c) -12   (d) -13

10. The number of integers between -2 and 2 is-
    (a) 5   (b) 4   (c) 3   (d) 2

11. The opposite of -7 is
    (a) – 6   (b) 6   (c) 5   (d) 7

12. Sum of two negative integers is always
    (a) Positive   (b) Negative   (c) 0   (d) 1

13. Sum of – 30 and – 12 is
    (a) 42   (b) - 18   (c) - 42   (d) 18

14. In addition and subtraction of the integers the sign of answer depends upon
    (a) Smaller Number   (b) Their Difference   (c) Their Sum   (d) Greater numerical value

15. Sum of -14 and 9 is
    (a) 23   (b) – 23   (c) – 5   (d) 5

MCQ WORKSHEET-II
CLASS – VII: CHAPTER – 1
INTEGERS

1. Which of the following number is greater than – 1 ?
   (a) – 2   (b) – 10   (c) 0   (d) – 3

2. The preceding number of - 1 on number line is:
   (a) 0   (b) 1   (c) 2   (d) - 2

3. Which number is 5 more than – 3?
   (a) – 2   (b) 2   (c) 8   (d) - 8

4. 7 steps to the left of 4 on number line gives:
   (a) 3   (b) 11   (c) - 11   (d) - 3

5. 2 steps to the right of – 1 on number line gives:
   (a) 0   (b) 1   (c) – 3   (d) 3

6. Which number is being represented by the point A on following number line:

   (a) – 9   (b) 5   (c) -5   (d) - 6

7. What number is being represented by points A and B respectively on the number line:

   (a) 3 and 2   (b) 2 and 3   (c) - 3 and – 2   (d) 3 and – 2

8. The integer succeeding - 9 is:
   (b) – 10   (b) 10   (c) - 8   (d) 8

9. What will be the opposite of 3 Km south?
   (a) 3 km east   (b) 3 km north   (c) 3 km north east   (d) 3 km west

10. Which of the following set of numbers is in descending orders?
    (a) 2, - 2 , 1 , - 1   (b) 0, 1, 2, 3   (c) 1, 0 , - 1 , -2   (d) – 3 ,- 2 , -1 , 0

11. Which of the following statements is false:
    (a) 0 lies to the left of – 1   (b)2 lies to the right of 1

    (c)1 lies to the right of 0   (d) – 2 lies to the left of – 1

12. 5 added to the – 1 gives
    (a) 4   (b) - 4   (c) 6   (d) - 6

MCQ WORKSHEET-III
CLASS – VII: CHAPTER – 1
INTEGERS

1. 7 added to – 1 gives
   (a) 6   (b) - 6   (c) - 8   (d) 8

2. 3 added to – 3 gives
   (a) 0   (b) 6   (c) - 6   (d) 9

3. 1 subtracted from – 1 gives
   (a) 0   (b) - 1   (c) - 2   (d) 2

4. Sum of – 10 , - 5 and 12 is
   (a) 27   (b) – 3   (c) 3   (d) – 27

5. Which of the following statements is false
   (a) – 4 > - 5   (b) – 4 < 5   (c) 4 < - 5   (d) 4 > - 5

6. Which of the following is in increasing order
   (a) 0 , 1 , - 1   (b) – 1 , - 2 , - 3   (c) – 1 , 0 , 1   (d) – 1 , 1 , - 2

7. Which of the following is correct
   (a) – 8 > - 7   (b) 1 < 0   (c) – 1 < 0   (d) – 2 > 4

8. Which of the following number forms a pattern
   (a) – 6 , - 3 , 0 , 3   (b) – 5 , - 3 , - 2 , 0   (c) 0 , 2 , 3 , 4   (d) 1 , 2 , 4 , 6

9. Sum of – 36 and 29 is
   (a) –65   (b) 65   (c) –7   (d) 7

10. Which of the following will give answer with negative sign
    (a) – 48 + 79   (b) – 40 + 40   (c) – 48 + 30   (d) 48 + (- 39)

11. What will be the additive inverse of -1 ?
    (a) -2   (b) -1   (c) 0   (d) 1

12. Sum of two positive integers is always-
    (a) Negative   (b) positive   (c) 0   (d) 1

13. Sum of a negative and a positive integer is –
    (a) Always negative   (b) either positive or negative   (c) always positive   (d) Zero

14. The pair of integers whose sum is –5
    (a) 1, –4   (b) –1 , 6   (c) –3 , –2   (d) 5, 0

15. 39 – 50 is
    (a) Not possible   (b) -89   (c) -11   (d) 10

MCQ WORKSHEET-IV
CLASS – VII: CHAPTER – 1
INTEGERS

Q1. In addition and subtraction of two integers , sign of the answer depends upon
    (a) Smaller number   (b) Their difference   (c) Their sum   (d) Greater numerical value

Q2. Sum of two negative number is always
    (a) Positive   (b) Negative   (c) 0   (d) 1

Q3. Sum of two Positive number is always
    (a) Negative   (b) Positive   (c) 1   (d) 0

Q4. Sum of – 36 and 29 is
    (a) –65   (b) 65   (c) –7   (d) 7

Q5. Sum of –19 and –21 is
    (a) –40   (b) 40   (c) 2   (d) –2

Q6. Which of the following statement is false:
    (a) $-7 + (-6) = -13$ (b) $-5 + 1 = 4$ (c) $2 + (-1) = 1$

    (d) $8 + (-9) = -1$

Q7. The pair of integers whose sum is –5
    (b) 1, –4   (b) –1 , 6   (c) –3 , –2   (d) 5, 0

Q8. What integers or number should be added to –5 to get 4
    (a) 1   (b) –1   (c) –9   (d) 9

Q9 . What will be the additive inverse of –5
    (a) –6   (b) –4   (c) 3   (d) 5

Q10. What will be the additive inverse of 7
    (a) –7   (b) –6   (c) –5   (d) –4

Q11. Predecessor of –9 is
    (a) –8   (b) 8   (c) –10   (d) 10

Q12. Successor of –1 is
    (a) –2   (b) 0   (c) 1   (d) 2

Q13. The value of $6 - (-3)$ is
    (a) 3   (b) –9   (c) –3   (d) 9

Q14. The value of $26 - 30$ is equal to
    (a) 4   (b) –4   (c) –56   (d) 56

Q15. Which of the following statement is true
    (a) $7 - 4 = 4 - 7$ (b) $7 - 4 > 4 - 7$ (c) $7 - 4 < 4 - 7$ (d) $7 - 4 = -3$

MCQ WORKSHEET-V
CLASS – VII: CHAPTER – 1
INTEGERS

Q1. Choose appropriate number for blank: $-7-(\_\_)=2$
    (a) 5   (b) -5 (c) 9   (d) -9

Q2. Multiplication of 3 and -4
    (a) -7 (b) 12   (c) -12 (d) 7

Q3. Multiplication of -2, -7 and -10 gives
    (a) -34 (b) 19   (c) -140 (d) 90

Q4. Multiplication of 2, -5 and 0 gives
    (a) 10   (b) 0   (c) -10 (d) 7

Q5. Identify the property used in the following: $2 \times 13 + 8 \times 13 = (2+8) \times 13$
    (a) Commutative   (b) Closure   (c) Associative   (d) Distributive

Q6. Which number is multiplicative identity for the whole numbers
    (a) 0   (b) 1   (c) 2   (d) 3

Q7. What will be multiplicative inverse of -8

    (a) 8   (b) $\dfrac{1}{8}$ (c) $-\dfrac{1}{8}$ (d) 0

Q8. Which property is reflected in the following: $7 \times 5 = 5 \times 7$
    (a) Closure   (b) Commutative   (c) Associative   (d) Distributive

Q9. $-18 \div 2$ gives
    (a) 36   (b) 9   (c) -9 (d) -16

Q10. $-6 \div (-3)$ gives
    (a) -9 (b) 2   (c) -2 (d) 3

Q11. 15 divided by -3 is equal to
    (a) 12   (b) -12 (c) -5 (d) 5

Q12. $0 \div 10$ gives
    (a) 0   (b) 10   (c) 1   (d) -10

Q13. Which of the following is not true
    (a) $0 \div 2 = 0$ (b) $-25 \div 5 = -5$ (c) $12 \div 0 = 12$ (d) $4 \div 1 = 4$

Q14. Which of the following is true
    (a) $5 \div 7 = 7 \div 5$ (b) $0 \div 3 = 0 \div 5$ (c) $2 \div (3-1) = 2 \div 3 - 2 \div 1$

    (d) $4 \div 1 = 1 \div 4$

Q15. Which of the following does not represent pair of integer (a, b) such that $a \div b = 2$
    (a) $(-6, -3)$ (b) $(-2, 1)$ (c) $(-10, -5)$ (d) $(8, 4)$

MCQ WORKSHEET-VI
CLASS – VII: CHAPTER – 1
INTEGERS

Q1 . On dividing a negative integers by other negative integer the quotient will be

    (a) Always negative   (b) Always positive   (c) Either positive or negative   (d) 1

Q2. Which of the following statement is true

    (a) $7 \div 0 = 7$ (b) $7 \div 0 = 0$ (c) $7 \div 0 = 0 \div 7$ (d) $0 \div 7 = 0$

Q3. Product of two negative integers is always

    (a) Always negative   (b) Always positive   (c) Either positive or negative (d) 0

Q4. The integer whose product with -1 is -40 is

    (a) 20   (b) -20 (c) -40 (d) 40

Q5. Absolute value of -11 is

    (a) -10 (b) 10   (c) 11   (d) 0

Q6. $-8 \times 10 \times 9$ is equal to

    (a) 27   (b) -27 (c) -720 (d) 720

Q7. $16 \times 10 + 2$ is equal to

    (a) 162   (b) 192   (c) 52   (d) 320

Q8. $-16 \times (-1)$ is equal to

    (a) -17 (b) 17   (c) 16   (d) -16

Q9. $125 \div (-25)$ is equal to

    (a) 1   (b) 5   (c) -5 (d) 100

Q10. $(-50) \div \underline{\hspace{1cm}} = -1$, number in the blank will be

    (a) 49   (b) 50   (c) -50 (d) 51

PRACTICE QUESTIONS
CLASS – VII: CHAPTER – 1
INTEGERS

1. Write the opposite of each of the following:
   (i) Increase in class strength (ii) going north (ii) A loss of Rs 1000

2. Indicate the following by integers:
   (i) 25^0 above zero (ii) 5^0 below zero (iii) 300m above the sea level
   (iv) 250m below the sea level (v) A profit of Rs. 2000

3. Represent the following integers on number line:
   (i) –4   (ii) 7   (iii) –8

4. Write all the integers between:
   (i) –7 and 3   (ii) – 2 and 2   (iii) –4 and 0

5. How many integers are between:
   (i) – 4 and 3   (ii) 5 and 12   (iii) –9 and –2

6. Represent the following using integers with proper sign: (a) 3 km above sea level (b) A loss of Rs 500

7. Find the sum of the pairs of integers: (a) – 6, – 4 (b) +3, – 4 (c) +4, –2

8. Find the sum of –2 and –3, using the number line.

9. Subtract : (i) 3 from –4 (ii) –3 from –4

10. Using the number line, subtract : (a) 2 from –3 (b) –2 from –3.

11. How many integers are there between –9 and –2 ?

12. Calculate: $1 – 2 + 3 – 4 + 5 – 6 + 7 – 8 + 9 – 10$

13. The sum of two integers is 47. If one of the integers is – 24, find the other.

14. Write the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 in this order and insert '+' or '–' between them to get the result (a) 5 (b) –3

15. Compute each of the following:
    (a) $30 + (–25) + (–10)$ (b) $(–20) + (–5)$
    (c) $70 + (–20) + (–30)$ (d) $–50 + (–60) + 50$
    (e) $1 + (–2) + (– 3) + (– 4)$ (f) $0 + (– 5) + (– 2)$
    (g) $0 – (–6) – (+6)$ (h) $0 – 2 – (–2)$

16. If we denote the height of a place above sea level by a positive integer and depth below the sea level by a negative integer, write the following using integers with the appropriate signs:
    (a) 200 m above sea level   (b) 100 m below sea level
    (c) 10 m above sea level   (d) sea level

17. Write the opposite of each of the following:

(a) Decrease in size (b) Failure
(c) Profit of Rs.10 (d) 1000 A.D.
(e) Rise in water level (f) 60 km south
(g) 10 m above the danger mark of river Ganga
(h) 20 m below the danger mark of the river Brahmaputra
(i) Winning by a margin of 2000 votes
(j) Depositing Rs.100 in the Bank account
(k) 20°C rise in temperature.

18. Temperature of a place at 12:00 noon was +5°C. Temperature increased by 3°C in first hour and decreased by 1°C in the second hour. What was the temperature at 2:00 pm?

19. Write the digits 0, 1, 2, 3, ..., 9 in this order and insert '+' or '−' between them to get the result 3.

20. Write the integer which is its own additive inverse.

21. Write six distinct integers whose sum is 7.

22. Write the integer which is 4 more than its additive inverse.

23. Write the integer which is 2 less than its additive inverse.

24. Write two integers whose sum is less than both the integers.

25. Write two distinct integers whose sum is equal to one of the integers.

26. Using number line, how do you compare (a) two negative integers? (b) two positive integers? (c) one positive and one negative integer?

27. Observe the following : $1 + 2 − 3 + 4 + 5 − 6 − 7 + 8 − 9 = −5$

28. Change one '−' sign as '+' sign to get the sum 9.

29. Arrange the following integers in the ascending order : −2, 1, 0, −3, +4, −5

30. Arrange the following integers in the descending order : −3, 0, −1, −4, −3, −6

31. Write two integers whose sum is 6 and difference is also 6.

32. Write five integers which are less than −100 but greater than −150.

33. Write four pairs of integers which are at the same distance from 2 on the number line.

34. The sum of two integers is 30. If one of the integers is −42, then find the other.

35. Sum of two integers is −80. If one of the integers is −90, then find the other.

36. At Srinagar temperature was − 5°C on Monday and then it dropped by 2°C on Tuesday. What was the temperature of Srinagar on Tuesday? On Wednesday, it rose by 4°C. What was the temperature on this day?

37. A plane is flying at the height of 5000 m above the sea level. At a particular point, it is exactly above a submarine floating 1200 m below the sea level. What is the vertical distance between them?

38. Mohan deposits Rs 2,000 in his bank account and withdraws Rs 1,642 from it, the next day. If withdrawal of amount from the account is represented by a negative integer, then how will you represent the amount deposited? Find the balance in Mohan's account after the withdrawal.

39. Rita goes 20 km towards east from a point A to the point B. From B, she moves 30 km towards west along the same road. If the distance towards east is represented by a positive integer then, how will you represent the distance travelled towards west? By which integer will you represent her final position from A?

40. Write a pair of integers whose sum gives
    (a) a negative integer (b) zero
    (c) an integer smaller than both the integers.
    (d) an integer smaller than only one of the integers.
    (e) an integer greater than both the integers.

41. Write a pair of integers whose difference gives
    (a) a negative integer. (b) zero.
    (c) an integer smaller than both the integers.
    (d) an integer greater than only one of the integers.
    (e) an integer greater than both the integers.

42. Write down a pair of integers whose
    (a) sum is –3 (b) difference is –5
    (c) difference is 2 (d) sum is 0

43. Write down a pair of integers whose:
    (a) sum is –7 (b) difference is –10 (c) sum is 0

44. Write a pair of negative integers whose difference gives 8.

45. Write a negative integer and a positive integer whose sum is –5.

46. Write a negative integer and a positive integer whose difference is –3.

47. Find: $4 \times (-8)$, $8 \times (-2)$, $3 \times (-7)$, $10 \times (-1)$ using number line.

48. Verify $(-30) \times [13 + (-3)] = [(-30) \times 13] + [(-30) \times (-3)]$

49. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?

50. An elevator descends into a mine shaft at the rate of 5 metre per minute. What will be its position after one hour? If it begins to descend from 15 m above the ground, what will be its position after 45minutes?

51. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

52. In a test $(+5)$ marks are given for every correct answer and (-2) marks are given for every incorrect answer. (i) Radhika answered all the questions and scored 30 marks though she got 10

correct answers. (ii) Jay also answered all the questions and scored (–12) marks though he got 4 correct answers. How many incorrect answers had they attempted?

53. A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. (i) In a particular month she incurs a loss of Rs 5. In this period, she sold 45 pens. How many pencils did she sell in this period? (ii) In the next month she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?

54. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight, at what time would the temperature be 8°C below zero? What would be the temperature at mid-night?

55. An elevator descends into a mine shaft at the rate of 6 m/min. If the descent starts from 10 m above the ground level, how long will it take to reach – 350 m.

56. Evaluate each of the following:
    (a) $(-30) \div 10$ (b) $50 \div (-5)$ (c) $(-36) \div (-9)$
    (d) $(-49) \div (49)$ (e) $13 \div [(-2) + 1]$ (f) $0 \div (-12)$
    (g) $(-31) \div [(-30) + (-1)]$
    (h) $[(-36) \div 12] \div 3$ (i) $[(-6) + 5)] \div [(-2) + 1]$

57. Find the product, using suitable properties:
    (a) $26 \times (-48) + (-48) \times (-36)$ (b) $8 \times 53 \times (-125)$
    (c) $15 \times (-25) \times (-4) \times (-10)$ (d) $(-41) \times 102$
    (e) $625 \times (-35) + (-625) \times 65$ (f) $7 \times (50 - 2)$
    (g) $(-17) \times (-29)$ (h) $(-57) \times (-19) + 57$

58. Verify the following:
    (a) $18 \times [7 + (-3)] = [18 \times 7] + [18 \times (-3)]$
    (b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$

59. A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold.
    (a) The company sells 3,000 bags of white cement and 5,000 bags of grey cement in a month. What is its profit or loss?
    (b) What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags.

60. Find each of the following products:
    (i) $(-18) \times (-10) \times 9$ (ii) $(-20) \times (-2) \times (-5) \times 7$ (iii) $(-1) \times (-5) \times (-4) \times (-6)$