Q1. Simplify
   (i) \(-24 - (-46)\)   (ii) \(48 + (-29) - 90\)   (iii) \(-48 + (-35) - (-106) - 100\)

Q2. Write the additive inverse of the following:
   \(-5, 0, 27\)

Q3. Subtract the sum of \(-98\) and \(46\) from \(-110\)

Q4. From the sum of \(109\) and \((-207)\), subtract \(49\)

Q5. Simplify
   (i) \(-|11 - 15|\)   (ii) \(-|16| + |-26|\)   (iii) \(-|-25| - |36|\)

Q6. The temperature on Monday in Shimla was \(-5^\circ C\) while the temperature in Delhi was \(5^\circ C\) on the same day. What was the difference in temperatures of the two places?

Q7. Arrange in ascending order: \(-31, 139, -203, -97, 0, 406\)

Q8. The sum of two integers is \(-58\). If one of them is \(-98\), find the other.

Q9. Fill in the blanks:
   i) Largest positive integer = ______________
   ii) Smallest negative integer = ______________
   iii) Smallest negative integer = ______________
   iv) Largest negative integer = ______________
   v) Subtracting an integer from an integer is the same as adding its ______________ to the given integer

Q10. Subtract:
   i) \(-56\) from \(-100\)   ii) \(-956\) from \(-697\)

Q11. (i) For any two integers 'a' and 'b', \(a+b\) is an integer. It shows that integers are ______________ under addition

   (ii) Are integers closed under subtraction? Give reasons to support your answer.

Q12 a) Write a pair of integers whose difference is \(-15\).

   b) Write a pair of negative integers whose difference gives 18.
c) Write a negative integer and a positive integer whose sum is 7.

Q13 (i) Additive identity for integers - ____________
(ii) Multiplicative identity for integers - ____________

Q14 Find the products:

(i) 9 x 4       (ii) (-36) x 12       (iii) (-7) x 35       (iv) (-18) x (-13)       (v) (-10) x 0 x (-18)
(vi) (-1) x (-3) x (-16)

Q15 Find the product using suitable properties.

i) 36 x (-73) + 36 x (-27)
ii) (-85) x 102
iii) 571 x 35 + (-571) x 65
iv) -63 x (-39) + 63
v) -57 x (-49)

Q16 The product of two integers is -153. If one of the integers is (-17), find the other.

Q17. Evaluate:

i) (-60) ÷ 4
ii) 95 ÷ (-19)
iii) (-49) ÷ (-7)
iv) 0 ÷ 32
v) 0 ÷ (-64)
vi) [(-48) ÷ (-6)] ÷ (-2)

Q18. Fill in the blanks:

i) __ ÷ (-125) = -5
ii) __ ÷ (-29) = 0
iii) -43 ÷ __ = 43

Q19. A boy threw a stone 12m high in the air, which fell and settled down at the bottom of a pond 12m deep. What is the total distance that the stone fell to reach the bottom of the pond?