



MATHS

BOOKS - SUBHASH PUBLICATION

Integers

Exercise

1. Write opposites of the following : (a)
Increase in weight



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2. Write opposites of the following : (b) 30 km north



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3. Write opposites of the following : (c) 80 m east



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4. Write opposites of the following : (d) Loss of
₹ 700



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5. Write opposites of the following : (e) 100 m
above sea level



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6. Represent the following numbers as integers with appropriate signs. (a) An aeroplane is flying at a height two thousand meter above the ground.



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7. Represent the following numbers as integers with appropriate sign. (b) A submarine is moving at a depth, eight hundred meters below the sea level.





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8. Represent the following numbers as integers with appropriate signs. (c) A deposit of rupees two hundred.



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9. Represent the following numbers as integers with appropriate signs. (d) Withdrawal of rupees seven hundred.



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10. Represent the following numbers on a number line : (a) +5



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11. Represent the following number on a number line : (b) -10



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12. Represent the following number on a number line : $(c) + 8$



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13. Represent the following number on a number line : $(d) - 1$



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14. Represent the following number on a number line : (e) -6



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15. Adjacent figure is a vertical number line, representing integers. Observe it and locate the following points : (a) If point D is + 8, then which point is -8?



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16. Adjacent figure is a vertical number line, representing integers. Observe it and locate the following points : (b) Is point G a negative integer or a positive integer?



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17. Adjacent figure is a vertical number line, representing integers. Observe it and locate the following points : (d) Which point marked on this number line has the least value?



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18. Adjacent figure is a vertical number line, representing integers. Observe it and locate the following points : (e) Arrange all the points in decreasing order of value.



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19. Following is the list of temperatures of five places in India on a particular day of the year.

Place Temperature Siachin 10°C below 0°C

Shimla 2°C below 0°C Ahmedabad 30°C
above 0°C Delhi 20°C above 0°C Srinagar
 5°C below 0°C (a) Write the temperatures of
these places in the form of integers in the
blank column.



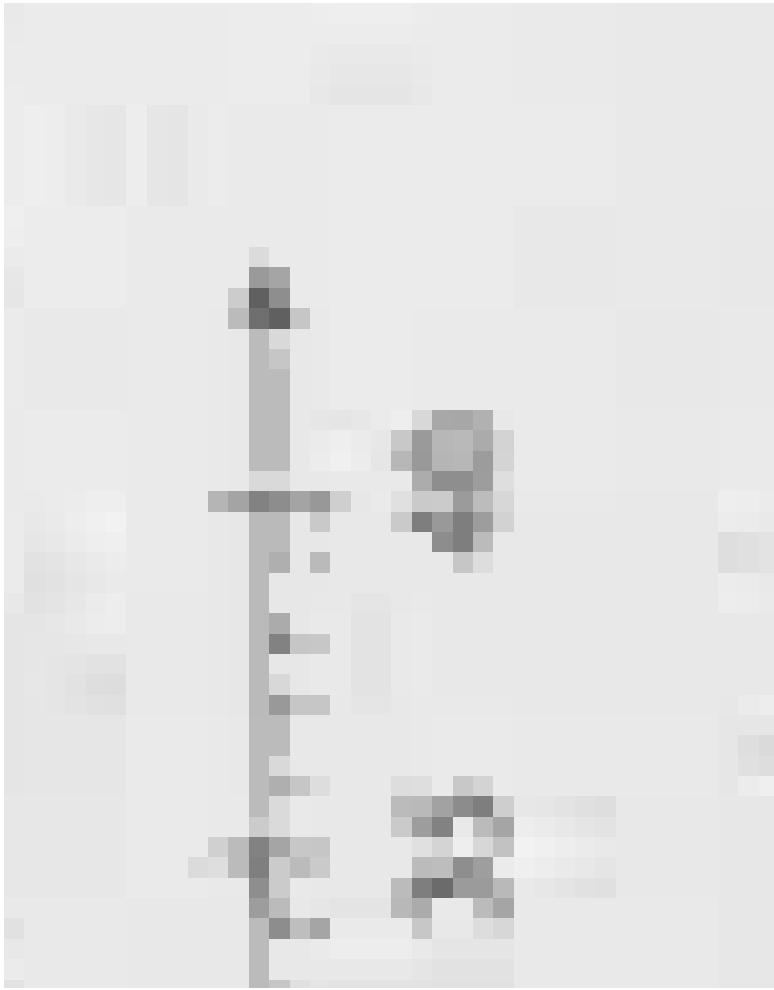
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20. Following is the list of temperatures of five
places in India on a particular day of the year.

Place Temperature Siachin 10°C below 0°C

Shimla 2°C below 0°C Ahmedabad 30°C

above 0°C Delhi 20°C above 0°C Srinagar
 5°C below 0°C (b) Following is the number
line representing the temperature in degree
Celsius. Plot the name of the city against its
temperature.



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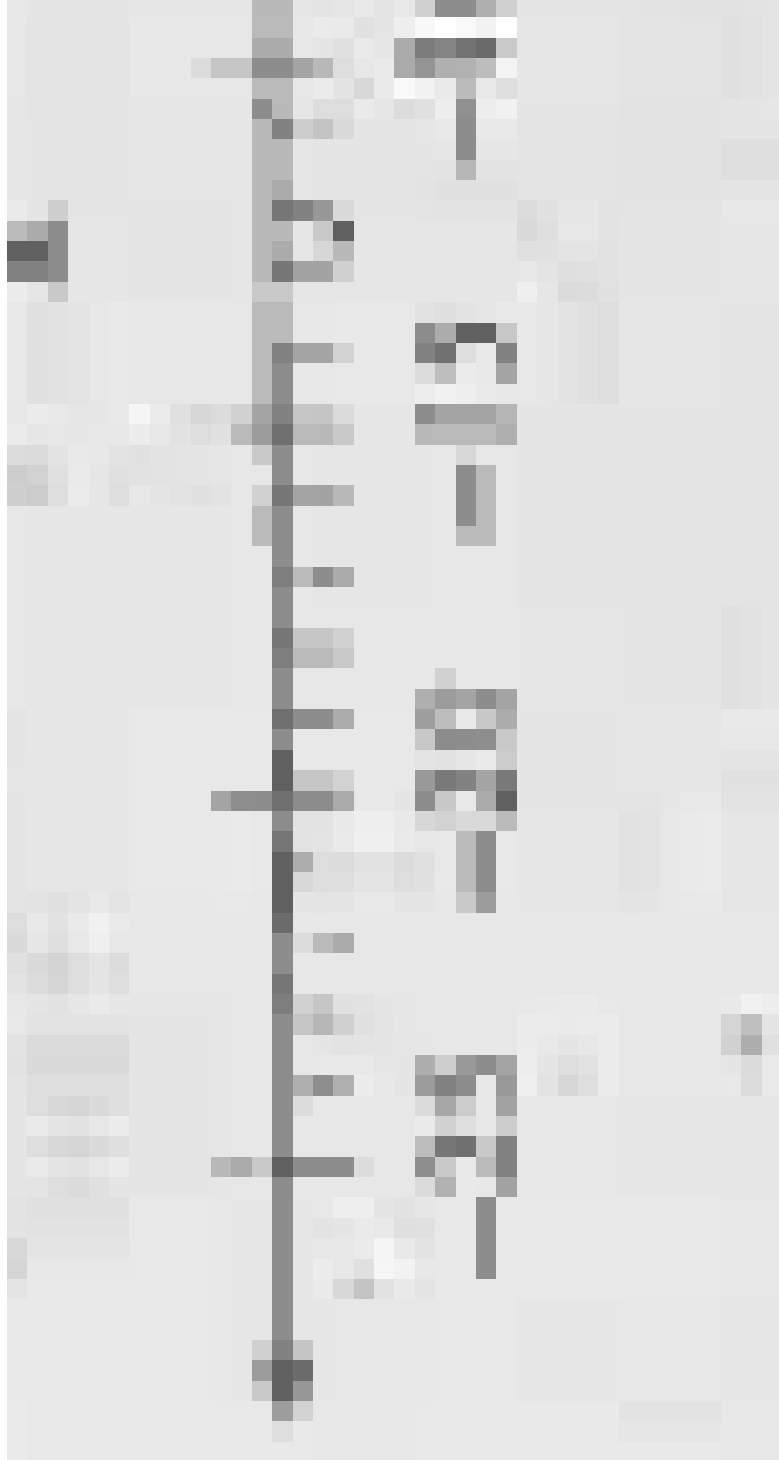
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1





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21. Following is the list of temperatures of five places in India on a particular day of the year.

Place Temperature Siachin 10°C below 0°C

Shimla 2°C below 0°C Ahmedabad 30°C

above 0°C Delhi 20°C above 0°C Srinagar

5°C below 0°C (c) Which is the coolest

place?



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22. Following is the list of temperatures of five places in India on a particular day of the year.

Place Temperature Siachin 10°C below 0°C

Shimla 2°C below 0°C Ahmedabad 30°C

above 0°C Delhi 20°C above 0°C Srinagar

5°C below 0°C (d) Write the names of the

places where temperatures are above 10°C .



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23. In each of the following pairs, which number is to the right of the other on the number line? (a) 2,9



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24. In each of the following pairs, which number is to the right of the other on the number line? (b) -3,-8



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25. In each of the following pairs, which number is to the right of the other on the number line? (c) 0,-1



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26. In each of the following pairs, which number is to the right of the other on the number line? (d) -11, 10



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27. In each of the following pairs, which number is to the right of the other on the number line? (e) $-6, 6$



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28. In each of the following pairs, which number is to the right of the other on the number line? (f) $1, -100$



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29. Write all the integers between the given pairs (write them in the increasing order). (a) 0 and -7



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30. Write all the integers between the given pairs (write them in the increasing order).(b) -4 and 4



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31. Write all the integers between the given pairs (write them in the increasing order).(c)

-8 and -15



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32. Write all the integers between the given pairs (write them in the increasing order). (d)

-30 and -23



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33. (a) Write four negative integers greater than -20.



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34. (b) Write four integers less than -10.



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35. For the following statements, write True (T) or False (F). If the statement is false, correct

the statement. (a) -8 is to the right of -10 on a number line.



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36. For the following statements, write True (T) or False (F). If the statement is false, correct the statement. (b) -100 is to the right of -50 on a number line.



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37. For the following statements, write True (T) or False (F). If the statement is false, correct the statement. (c) Smallesst negative integer is -1.



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38. For the following statements, write True (T) or False (F). If the statement is false, correct the statement. (d) -26 is greater than -25.



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39. Draw a number line and answer the following : (a) Which number will we reach if we move 4 numbers to the right of -2.



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40. Draw a number line and answer the following : (b) Which number will we reach if we move 5 numbers to the left of 1.



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41. Draw a number line and answer the following : (c) If we are at -8 on the number line, in which direction should we move to reach -13 ?



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42. Draw a number line and answer the following : (d) If we are at -6 on the number line, in which direction should we move to reach -1 ?





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43. Using the number line write the integer which is : (a) 3 more than 5



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44. Using the number line write the integer which is : (b) 5 more than -5



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45. Using the number line write the integer which is : (c) 6 more than 2



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46. Using the number line write the integer which is : (d) 3 less than -2



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47. Use number line and add the following integers : (a) $9 + (-6)$



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48. Use number line and add the following integers : (b) $5 + (-11)$



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49. Use number line and add the following integers : (c) $(-1) + (-7)$



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50. Use number line and add the following integers : (d) $(-5) + 10$



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51. Use number line and add the following integers : (e) $(-1) + (-2) + (-3)$



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52. Use number line and add the following

integers : (f) $(-2) + 8 + (-4)$



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53. Add without using number line : (a) $11 + (-7)$



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54. Add without using number line : (b) $(-13) +$

$(+18)$



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55. Add without using numbe line : (c) $(-10) + (+19)$



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56. Add without using numbe line : ((d) $(-250) + (+150)$



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57. Add without using number line : (e) $(-380) + (-270)$



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58. Add without using number line : (f) $(-217) + (-100)$



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59. Find the sum of : (a) 137 and -354





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60. Find the sum of : (b) -52 and 52



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61. Find the sum of : (c) -312 , 39 and 192



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62. Find the sum of : (d) -50 , -200 and 300





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63. Find the sum : (a) $(-7) + (-9) + 4 + 16$



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64. Find the sum : (b) $(37) + (-2) + (-65) + (-8)$



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65. Find (a) $35 - (20)$





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66. Find (b) $72 - (90)$



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67. Find (c) $(-15) - (-18)$



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68. Find (d) $(-20) - (13)$





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69. Find (e) $23 - (-12)$



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70. Find (f) $(-32) - (-40)$



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71. Find in the blanks with $>$, $<$ or $=$ sign. (a) (-3)

$$+ (-6) \text{ ______ } (-3) - (-6)$$



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72. Find in the blanks with $>$, $<$ or $=$ sign. (b)

$$(-21) - (-10) \text{ ______ } (-13) + (-11)$$



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73. Find in the blanks with $>$, $<$ or $=$ sign. (c) $45 -$

$$(-11) \text{ ______ } 57 + (-4)$$



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74. Find in the blanks with $>$, $<$ or $=$ sign. (d)

$$(-25) - (-42) \text{ ______ } (-42) - (-25)$$



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75. Fill in the blanks. (a) $(-8) + \text{ ______ } = 0$



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76. Fill in the blanks. (b) $13 + \underline{\hspace{2cm}} = 0$



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77. Fill in the blanks. (c) $12 + (-12) = \underline{\hspace{2cm}}$



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78. Fill in the blanks. (d) $(-4) + \underline{\hspace{2cm}} = -12$



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79. Fill in the blanks. (e) ___ - 15 = -10



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80. Find (a) $(-7) - 8 - (-25)$



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81. Find (b) $(-13) + 32 - 8 - 1$



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82. Find (c) $(-7) + (-8) + (-90)$



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83. Find (d) $50 - (-40) - (-2)$



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