



MATHS

BOOKS - MBD

INTEGERS

Example

1. Write opposites of the following,

Increase in weight



Watch Video Solution

2. Write opposites of the following,

30 km north



[Watch Video Solution](#)

3. Write opposites of the following,

326 B.C



[Watch Video Solution](#)

4. Write opposites of the following,

Loss of Rs.700



Watch Video Solution

5. Write opposites of the following,

100 m above sea level.



Watch Video Solution

6. Represent the following numbers as intergers with appropriate signs.

An aeiroplane is flying at a height two thousand metre above te ground.



Watch Video Solution

7. Represent the following numbers as intergers with appropriate signs.

A submarine is moving at a depth,eight hundred metre below the sea level.





[Watch Video Solution](#)

8. Represent the following numbers as intergers with appropriate signs.

A deposit of rupees two hundred.



[Watch Video Solution](#)

9. Represent the following numbers as intergers with appropriate signs.

Withdrawal of rupees seven hundred.



[Watch Video Solution](#)

10. Represent the following numbers on a number line:

$$+5$$



Watch Video Solution

11. Represent the following numbers on a number line:

$$-10$$



Watch Video Solution

12. Represent the following numbers on a number line:

$$+8$$



Watch Video Solution

13. Represent the following numbers on a number line:

$$-1$$



Watch Video Solution

14. Represent the following numbers on a number line:

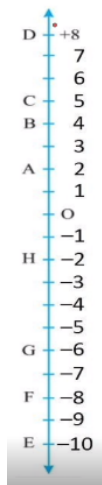
– 6.



Watch Video Solution

15. Adjacent is a vertical number line, representing integers. Observe it and locate the following points:

If point D is +8, then which point is -8?

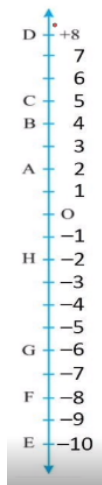


[Watch Video Solution](#)

16. Adjacent is a vertical number line, representing integers. Observe it and locate the following points:

Is point G a negative integer or a positive

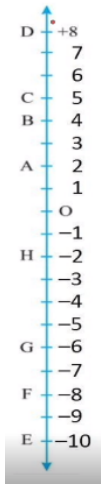
integer?



[Watch Video Solution](#)

17. Adjacent is a vertical number line, representing integers. Observe it and locate the following points:

Write integers for points B and E.

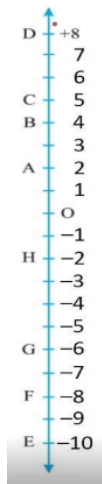


[Watch Video Solution](#)

18. Adjacent is a vertical number line, representing integers. Observe it and locate the following points:

Which point marked on this number line has

the least value?

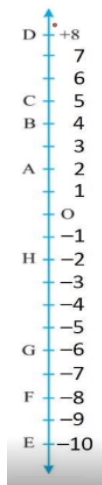


Watch Video Solution

19. Adjacent is a vertical number line, representing integers. Observe it and locate the following points:

Arrange all the points in decreasing order of

value.



[Watch Video Solution](#)

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

Write the temperatures fo these places in the

form of integers in the blank column.

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	.....



Watch Video Solution

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

Following is the number line representing the temperature in degree Celsius.Plot the name

of the city against its temperature.

Place	Temperature	
Siachin	10°C below 0°C	-10°C
Shimla	2°C below 0°C	-2°C
Ahmedabad	30°C above 0°C	30°C
Delhi	20°C above 0°C	20°C
Srinagar	5°C below 0°C	-5°C



[Watch Video Solution](#)

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

Write the names of the places where

temperatures are above 10°C .

Place	Temperature	
Siachin	10°C below 0°C	-10°C
Shimla	2°C below 0°C	-2°C
Ahmedabad	30°C above 0°C	30°C
Delhi	20°C above 0°C	20°C
Srinagar	5°C below 0°C	-5°C



[Watch Video Solution](#)

23. Following is the list off temperatures of five places in india,on a particular day of the year.

Which is the coolest place?

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	.....



Watch Video Solution

24. Following is the list off temperatures of five places in india,on a particular day of the year.

Write the names of the places where temperatures are above 10°C .

Place	Temperature	
Siachin	10°C below 0°C	-10°C
Shimla	2°C below 0°C	-2°C
Ahmedabad	30°C above 0°C	30°C
Delhi	20°C above 0°C	20°C
Srinagar	5°C below 0°C	-5°C



[Watch Video Solution](#)

25. In each of the following pairs, which number is to the right of the other on the number line?

2,9



[Watch Video Solution](#)

26. In each of the following pairs, which number is to the right of the other on the number line?

-3 , -9



Watch Video Solution

27. In each of the following pairs, which number is to the right of the other on the number

line?

0, - 1



[Watch Video Solution](#)

28. In each of the following pairs, which number is to the right of the other on the number line?

- 11, 10



[Watch Video Solution](#)

29. In each of the following pairs, which number is to the right of the other on the number line?

$-6, 6$



Watch Video Solution

30. In each of the following pairs, which number is to the right of the other on the number line?

$1, -100.$





[Watch Video Solution](#)

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

0 and -7 .



[Watch Video Solution](#)

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

-4 and 4 .



[Watch Video Solution](#)

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

-8 and -15



Watch Video Solution

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

-30 and -23 .



Watch Video Solution

35. Write four negative integers greater than -20.



Watch Video Solution

36. Write four negative integers less than -10.



Watch Video Solution

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

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



Watch Video Solution

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

-100 is to the right of -50 on a number line.





[Watch Video Solution](#)

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

Smallest negative integer is -1.



[Watch Video Solution](#)

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

statement.

-26 is larger than -25 .



[Watch Video Solution](#)

41. Draw a number line and answer the following:

Which number will we reach if we move 4 numbers to the right of -2 .



[Watch Video Solution](#)

42. Draw a number line and answer the following:

Which number will we reach if we move 5 numbers to the left of 1.



Watch Video Solution

43. Draw a number line and answer the following:

If we are at -8 on the number line, in which direction should we move to reach -13?





[Watch Video Solution](#)

44. Draw a number line and answer the following:

If we are at -6 on the number line, in which direction should we move to reach -1 ?



[Watch Video Solution](#)

45. Find the solution of the following additions using a number line.

$$(-2) + 6$$



Watch Video Solution

46. Find the solution of the following additions without using a number line.

$$(-6) + 2.$$



Watch Video Solution

47. Find the solution of the following without using number line:

$$(+7) + (-11)$$



[Watch Video Solution](#)

48. Find the solution of the following without using number line:

$$(-13) + (+10)$$



[Watch Video Solution](#)

49. Find the solution of the following without using number line:

$$(-7) + (+9)$$



[Watch Video Solution](#)

50. Find the solution of the following without using number line:

$$(+ 10) + (- 5).$$



Watch Video Solution

51. Using the number line write the integer which is :

3 more than 5



Watch Video Solution

52. Using the number line write the integer which is :

5 more than -5



Watch Video Solution

53. Using the number line write the integer which is :

6 less than 2



Watch Video Solution

54. Using the number line write the integer which is :

3 less than -2.



Watch Video Solution

55. Without Using number line add following integers:

$$9 + (-6)$$



Watch Video Solution

56. Use number line and add following integers:

$$5 + (-11)$$



Watch Video Solution

57. Use number line and add following integers:

$$(-1) + (-7)$$



Watch Video Solution

58. Use number line and add following integers:

$$(-5) + 10$$



Watch Video Solution

59. Without using number line and add following integers:

$$(-1) + (-2) + (-3)$$



Watch Video Solution

60. Without using number line add following integers:

$$(-2) + 8 + (-4).$$



Watch Video Solution

61. Add without using number line:

$$11 + (-7)$$



Watch Video Solution

62. Add without using number line:

$$(-13) + (+18)$$



Watch Video Solution

63. Add without using number line:

$$(-10) + (+19)$$



Watch Video Solution

64. Add without using number line:

$$(-250) + (+150)$$



Watch Video Solution

65. Add without using number line:

$$(-380) + (-270)$$



Watch Video Solution

66. Add without using number line:

$$(-217) + (-100).$$



Watch Video Solution

67. Find the sum of :

137 and -345



Watch Video Solution

68. Find the sum of :

– 52 and 52



Watch Video Solution

69. Find the sum of :

– 312, 39 and 192.



Watch Video Solution

70. Find the sum of :

-50 , -200 and 300 .



Watch Video Solution

71. Find the value of :

$(-7) + (-9) + 4 + 16$



Watch Video Solution

72. Find the value of :

$$(37)+(-2)+(-65)+(-8).$$



Watch Video Solution

73. Subtract:

$$35 - (20)$$



Watch Video Solution

74. Subtract:

$$72 - (90)$$



Watch Video Solution

75. Subtract:

$$(-15) - (-18)$$



Watch Video Solution

76. Subtract:

$$(-20) - (-13)$$



Watch Video Solution

77. Subtract:

$$23 - (-12)$$



Watch Video Solution

78. Subtract:

$$(-32) - (-40).$$



Watch Video Solution

79. Fill in the blanks with $>$, $<$ or $=$ sign:

$$(-3) + (-6) _ (-3) - (-6)$$



Watch Video Solution

80. Fill in the blanks with $>$, $<$ or $=$ sign:

$$(-21) - (-10) _ (-31) + (-11)$$



Watch Video Solution

81. Fill in the blanks with $>$, $<$ or $=$ sign:

$$45 - (-11) _ 57 + (-4)$$



Watch Video Solution

82. Fill in the blanks with $>$, $<$ or $=$ sign:

$$(-25) - (-42) _ (-42) - (-25).$$



Watch Video Solution

83. Fill in the blanks:

$$(-8) + _ _ = 0$$



Watch Video Solution

84. Fill in the blanks:

$$13 + _ = 0$$



Watch Video Solution

85. Fill in the blanks:

$$12 - (- 12) = _ _$$



Watch Video Solution

86. Fill in the blanks:

$$(-4) + _ _ = -12$$



Watch Video Solution

87. Find the value of:

$$(-7) - 8 - (-25)$$



Watch Video Solution

88. Find the value of:

$$(-13) + 32 - 8 - 1$$



Watch Video Solution

89. Find the value of:

$$(-7) + (-8) + (-90)$$



Watch Video Solution

90. Find the value of:

$$50 - (-40) - (-2).$$



Watch Video Solution

Exercise

1. Fill in the blanks with symbol $<$ or $>$:

$$-5 \dots\dots\dots - 8$$



Watch Video Solution

2. Fill in the blanks with symbol $<$ or $>$:

0..... - 4



Watch Video Solution

3. Fill in the blanks with symbol $<$ or $>$:

6..... - 4



Watch Video Solution

4. Fill in the blanks with symbol $<$ or $>$:

$-10 \dots \dots \dots .8$



Watch Video Solution

5. Fill in the blanks with symbol $<$ or $>$:

$-8 \dots \dots \dots 0$



Watch Video Solution

6. Fill in the blanks with symbol $<$ or $>$:

8.....-5`.



Watch Video Solution

7. Which of the following statements are true?

The smallest integer is one.



Watch Video Solution

8. Which of the following statements are true?

The opposite of zero is -1 .



Watch Video Solution

9. Which of the following statements are true?

-38 is greater than -35 .



Watch Video Solution

10. Which of the following statements are true?

A negative integer is greater than its opposite.



Watch Video Solution

11. Which of the following statements are true?

the absolute value of an integer is always equal of an integer is always equal to the integer.





[Watch Video Solution](#)

12. Give the opposites of :

Going North



[Watch Video Solution](#)

13. Give the opposites of :

Rise in water level.



[Watch Video Solution](#)

14. Give the opposites of :

Temperature below zero.



Watch Video Solution

15. Give the opposites of :

Height above sea level.



Watch Video Solution

16. Give the opposites of :

– 8



[Watch Video Solution](#)

17. Give the opposites of :

20.



[Watch Video Solution](#)

18. Use integers to express the following

5° above zero



[Watch Video Solution](#)

19. Use integers to express the following

45° below zero



Watch Video Solution

20. Use integers to express the following

A withdrawal of Rs.55 from an account.



Watch Video Solution

21. Use integers to express the following

A deposit of Rs.500 in a account.



Watch Video Solution

22. Use integers to express the following

Shimla is 7000 m above sea level.



Watch Video Solution

23. Use integers to express the following

My school is 4 km South from my house.



Watch Video Solution

24. Which number in each of the following pairs is to the right of the other on the number line?

4,9



Watch Video Solution

25. Which number in each of the following pairs is to the right of the other on the number line? $<-3, -37$



[Watch Video Solution](#)

26. Which number in each of the following pairs is to the right of the other on the number line? $<0, -5$



[Watch Video Solution](#)

27. Which number in each of the following pairs is to the right of the other on the number line? $< -6, 7$.



[Watch Video Solution](#)

28. Which number in each of the following pairs is smaller ?

$-27, -37$



[Watch Video Solution](#)

29. Which number in each of the following pairs is smaller ?

$-48, -40$



Watch Video Solution

30. Which number in each of the following pairs is smaller ?

$140, -130$



Watch Video Solution

31. Which number in each of the following pairs is smaller ?

-150 , -140 .



Watch Video Solution

32. Which number in each of the following pairs is smaller ?

0 , -9



Watch Video Solution

33. Which number in each of the following pairs is smaller ?

210, -405 .



Watch Video Solution

34. Write all integers between:

-5 and 3



Watch Video Solution

35. Write all integers between:

0 and 6



Watch Video Solution

36. Write all integers between:

-3 and 3 .



Watch Video Solution

37. Write the absolute value of each of the following:

-37



Watch Video Solution

38. Write the absolute value of each of the following:

36



Watch Video Solution

39. Write the absolute value of each of the following:

0



Watch Video Solution

40. Write the absolute value of each of the following:

108



Watch Video Solution

41. Write the absolute value of each of the following:

– 385



Watch Video Solution

42. Write the absolute value of each of the following:

– 3045.



Watch Video Solution

43. Draw a number line and represent each of the following on it:

$$9+(-6)$$



Watch Video Solution

44. Draw a number line and represent each of the following on it:

$$(-3)+7$$



Watch Video Solution

45. Draw a number line and represent each of the following on it:

$$8+(-8)$$



Watch Video Solution

46. Draw a number line and represent each of the following on it:

$$3+(-2)+(-4)$$



Watch Video Solution

47. Draw a number line and represent each of the following on it:

$$(-1)+(-2)+(-3)$$



Watch Video Solution

48. Draw a number line and represent each of the following on it:

$$5 +(-2)+(-6).$$



Watch Video Solution

49. Add the integers in each of the following:

-365, -87.



Watch Video Solution

50. Add the integers in each of the following:

1001, - 13



Watch Video Solution

51. Add the integers in each of the following:

$-3057, 199$



Watch Video Solution

52. Add the integers in each of the following:

$-36, +1027$



Watch Video Solution

53. Add the integers in each of the following:

389, -1032



Watch Video Solution

54. Add the integers in each of the following:

312, 39, 192



Watch Video Solution

55. Add the integers in each of the following:

$-51, -203, 36, -28$



Watch Video Solution

56. Add the integers in each of the following:

$3002, -888$



Watch Video Solution

57. Add the integers in each of the following:

$$-18, 25, -37.$$



Watch Video Solution

58. Find the sum:

$$(-7) + (-9) + 4 + (-10).$$



Watch Video Solution

59. Find the sum:

$$37 + (-23) + (-65) + (-8)$$



Watch Video Solution

60. Find the sum:

$$(-7) + (-9) + 4 + (-10).$$



Watch Video Solution

61. Find the sum:

$$1056 + (-798) + (-38) + 56.$$



Watch Video Solution

62. Let us invent an operation $*$ for integers such that for two integers a and b .

$$a * b = a + b + (-2a)$$

Determine $(-4) * 5$



Watch Video Solution

63. Let us invent an operation $*$ for integers such that for two integers a and b .

$$a * b = a + b + (-2a)$$

Determine $(-4) * 5$



[Watch Video Solution](#)

64. Which of the following statements are true?

Zero is a negative integer.



[Watch Video Solution](#)

65. Which of the following statements are true?

$$0 + 0 = 0$$



Watch Video Solution

66. Which of the following statements are true?

0 is the smallest integer.



Watch Video Solution

67. Which of the following statements are true?

The successor - 61 is -62.



Watch Video Solution

68. Which of the following statements are true?

The sum of three different integers is always zero.



Watch Video Solution

69. Which of the following statements are true?

The predecessor of -200 is -201.



Watch Video Solution

70. Fill in the blanks:

$$-9 + \dots = 0.$$



Watch Video Solution

71. Fill in the blanks:

$$28 + \dots = 0$$



[Watch Video Solution](#)

72. Fill in the blanks:

$$16 + 9 - (16) = \dots\dots\dots$$



[Watch Video Solution](#)

73. Fill in the blanks:

$$-264 + \dots = -364$$



Watch Video Solution

74. Fill in the blanks:

$$-9 + \dots = -17$$



Watch Video Solution

75. Fill in the blanks:

$$\dots\dots\dots + 315 = - 74.$$



Watch Video Solution

76. Which of the following statements are true

?

$$-14 > -8 - (-17)$$



Watch Video Solution

77. Which of the following statements are true

?

$$-5 - (-2) > 8.$$



[Watch Video Solution](#)

78. The sum of two integers is always an integer.



[Watch Video Solution](#)

79. The difference of two integers is always an integer.



Watch Video Solution

80. Subtract the first integer from the second in each of the following:

18,-34



Watch Video Solution

81. Subtract the first integer from the second in each of the following:

$-15, 25.$



[Watch Video Solution](#)

82. Subtract the first integer from the second in each of the following:

$28, -42$



[Watch Video Solution](#)

83. Subtract the first integer from the second in each of the following:

$$+68, -37$$



Watch Video Solution

84. Subtract the first integer from the second in each of the following:

$$219, 0$$



Watch Video Solution

85. Subtract the first integer from the second
in each of the following:

$$-92, 0$$



Watch Video Solution

86. Subtract the first integer from the second
in each of the following:

$$-135, -250$$



Watch Video Solution

87. Subtract the first integer from the second in each of the following:

$$-2768, -287$$



Watch Video Solution

88. Subtract the first integer from the second in each of the following:

$$62400, -271$$



Watch Video Solution

89. Subtract the first integer from the second in each of the following:

– 3012, 6250.



Watch Video Solution

90. Subtract -3 from 8 and 8 from -3 . Are the two results the same ?



Watch Video Solution

91. Find the value of $-12 + (-98) - (-84) - (7)$.



Watch Video Solution

92. p and q are two integers such that p is the successor of q . Find the value of $p - q$.



Watch Video Solution

93. Find the value of :

$$-19 - (-16)$$



[Watch Video Solution](#)

94. Find the value of :

$$-6 - 3 - (-18)$$



[Watch Video Solution](#)

95. Find the value of :

$$(3 - 5) + (3 - 5)$$



[Watch Video Solution](#)

96. Find the value of :

$$-17 + 36 - 18 - 1$$



Watch Video Solution

97. Find the value of :

$$60 + (-58) - (-4)$$



Watch Video Solution

98. Find the value of :

$$-5 + (-6) + (-80).$$



Watch Video Solution

99. The sum of two integers is -337. If one of them is 250, find the other.



Watch Video Solution

100. The sum of two integers is -639 , if one of them is 529 , find the other.



Watch Video Solution

101. Find the difference of the sum of odd numbers and sum of even numbers between 10 and 20 .



Watch Video Solution

102. Subtract the sum of -8 and -28 from the sum of -13 and 31 .



Watch Video Solution

103. In Mohan's house, there are stairs for going down to the godown. Let us consider the number of stairs going up to the terrace as positive integer, the number of stairs going down to the godown as negative integer and the number representing ground level as

zero. If Mohan goes down 5 steps from the ground floor and then moves up 12 steps from there, then where he will reach. Write down the answer as integer.

A. -2

B. 7

C. -7

D. -1

Answer:



Watch Video Solution

104. What is the number of integers between -4 and 1

A. 3

B. 4

C. 5

D. 6

Answer:



Watch Video Solution

105. What is the number of integers between -8 and -2?

A. 3

B. 4

C. 5

D. 6

Answer:



Watch Video Solution

106. Which is the largest integers among -7,-6,-5,-4 and -3?

A. -6

B. -5

C. -4

D. -3 .

Answer:



Watch Video Solution

107. Which is the smallest integer among -3,-2,
0 and 1?

A. -3

B. -2

C. 0

D. 1.

Answer:



Watch Video Solution

108. Find the value of :

$$(-7) + (-9) + 4 + 16$$

A. 36

B. 22

C. 4

D. 27

Answer:



Watch Video Solution

109. the sum of

$(-9) + (+4) + (-6) + (+3)$ is :

A. -8

B. 8

C. 14

D. 22

Answer: A



Watch Video Solution

110. The successor of -5 is

A. - 5

B. 5

C. - 4

D. - 6.

Answer:



Watch Video Solution