



# MATHS

## NCERT - NCERT MATHS(TELUGU)

### INTEGERS

#### Exercise

1. Mansa has borrowed ₹. 50 and Swetha has borrowed ₹. 20 from their mother. How will you represent this on the number line?

Suppose their father gave them ₹100 each as a pocket money. Who will have more money after clearing the debit?



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2. Draw a vertical line and represent the following integers on the number line:

$-5, 4, -7, -8, -2, 9, , 5, -6, 2$



**Watch Video Solution**

3. Write some more models for positive and negative numbers in our daily life.



**Watch Video Solution**

4. Represent the statement using signs of integers. An aeroplane is flying at a height of 3000 meters.



**Watch Video Solution**

5. Represent the statement using signs of integers: The fish is 10 meters below the water surface.



**Watch Video Solution**

6. Represent the statement using signs of integers: The temperature in Hyderabad is  $35^{\circ}C$  above  $0^{\circ}C$ .



**Watch Video Solution**

7. Represent the statement using signs of integers: Water freezes at  $0^{\circ}C$  temperature



**Watch Video Solution**

8. Represent the statement using signs of integers: The average temperature at the Mount Everest in January is  $36^{\circ}C$  below zero degree.



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9. Represent the statement using signs of integers: The submarine is 500 meters below the surface of the sea.



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10. Represent the statement using signs of integers: The average temperature at Dargeling in July is  $19^{\circ}C$  below zero degree.



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**11.** Represent the statement using signs of integers: The average temperature in Visakhapatnam during January is  $18^{\circ}C$ .



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**12.** Write any five negative integers.



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**13.** Write any five positive integers.



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**14.** Mark the integers on the number line given below:  $-4, 3, 2, 0, -1, 5$



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**15.** Write True or false. If the statement is false, correct the statement:  $-7$  is on the right side of  $-6$  on the number line.



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**16.** Write True or false. If the statement is false, correct the statement: Zero is a positive number.



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**17.** Write True or false. If the statement is false, correct the statement: 9 is on the right side of zero on the number line.



**Watch Video Solution**

**18.** Write True or false. If the statement is false, correct the statement: -1 is an interger which lies between -2 and 0.



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**19.** Fill in the blank using  $<$  or  $>$  signs:  
0.....-1



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**20.** Fill in the blank using  $<$  or  $>$  signs:

5.....6



**Watch Video Solution**

**21.** Fill in the blank using  $<$  or  $>$  signs:

-3.....-2



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22. Fill in the blank using  $<$  or  $>$  signs:

-4.....0



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23. Put an appropriate symbol  $>$  or  $<$  in

the boxes given between the two integers, -1

..... 0



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**24.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers,  
 $-3 \dots\dots -7$



**Watch Video Solution**

**25.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers,  
 $-10 \dots\dots +10$



**Watch Video Solution**

**26.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers,  
0.....-5



**Watch Video Solution**

**27.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers,  
-100.....99



**Watch Video Solution**

**28.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers, 0.....100



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**29.** Write the following integers in increasing and decreasing order. -  $-7$ ,  $5$ ,  $-3$



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**30.** Write the following integers in increasing and decreasing order. -  $-1$ ,  $3$ ,  $0$



**Watch Video Solution**

**31.** Write the following integers in increasing and decreasing order. -  $1$ ,  $3$ ,  $-6$



**Watch Video Solution**



**32.** Write the following integers in increasing and decreasing order. -  $-5$ ,  $-3$ ,  $-1$



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**33.** Write true or false, correct those that are False: Zero is on the right of  $-3$ .



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**34.** Write true or false, correct those that are False: -12 and +12 represent on the number line the same integer.



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**35.** Write true or false, correct those that are False: Every positive integer greater than zero.



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**36.** Write true or false, correct those that are

False:  $-5 < 8$



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**37.** Write true or false, correct those that are

False:  $(-100) > (+100)$



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**38.** Write true or false, correct those that are

False:  $-1 < -8$



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**39.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-1$  and  $1$



**Watch Video Solution**

**40.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-5$  and  $0$



**Watch Video Solution**

**41.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-6$  and  $-8$



**Watch Video Solution**

**42.** Find all integers which lie between the given two integers. Also represent them on the number line. 0 and  $-3$



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**43.** The temperature recorded in shimla is  $-4^{\circ}C$  and in kufri is  $-6^{\circ}C$  on the same day. Which place is colder on that day?



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**44.** Find the values of the following.  $-7 + 8$



**Watch Video Solution**

**45.** Find the values of the following.  $-3 + 5$



**Watch Video Solution**

**46.** Find the values of the following.  $-3 - 2$



**Watch Video Solution**

**47.** Find the values of the following.  $+7 - 10$



**Watch Video Solution**

**48.** Find the solution of the following:  $(+5) + (-5)$



**Watch Video Solution**

**49.** Find the solution of the following:  $(+6) + (+7)$



**Watch Video Solution**



**50.** Find the solution of the following:  $(-8) + (+2)$



**Watch Video Solution**

**51.** Add the following integers using number line.  $7 + (-6)$



**Watch Video Solution**

**52.** Add the following integers using number line.  $(-8) + (-2)$



**Watch Video Solution**

**53.** Add the following integers using number line.  $(-6) + (-5) + (+2)$



**Watch Video Solution**

**54.** Add the following integers using number line.  $(-8) + (-9) (+17)$



**Watch Video Solution**

**55.** Add the following integers using number line.  $(-3) + (-8) + (-5)$



**Watch Video Solution**

**56.** Add the following integers using number line.  $(-1) + (+7) + (-3)$



**Watch Video Solution**

**57.** Add without using number line :  
 $10 + (-3)$



**Watch Video Solution**

**58.** Add without using number line :

$$(-10) + (+16)$$



**Watch Video Solution**

**59.** Add without using number line :

$$(-8) + (+8)$$



**Watch Video Solution**

**60.** Add without using number line :

$$(-215) + (+100)$$



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**61.** Add without using number line :

$$(-110) + (-22)$$



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**62.** Add without using number line :

$$17 + (-11)$$



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**63.** Find the sum of - 120 and -274



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**64.** Find the sum of - -29, 38 and 190



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**65.** Find the sum of -68 and 28



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**66.** Find the sum of -60, -100 and 300



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**67.** Simplify:  $(-6) + (-10) + 5 + 17$



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**68. Simplify:**  $30 + (-30) + (-60) + (-18)$



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**69.**

**Simplify:**

$(-80) + (+40) + (-30) + (+6)$



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**70. Simplify:**  $70 + (-18) + (-10) + (-17)$



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**71.** Do this  $-5 - (-3)$



**Watch Video Solution**

**72.** Do this  $-7 - (+2)$



**Watch Video Solution**

**73.** Do this  $-7 - (-5)$



**Watch Video Solution**

**74.** Do this  $3 - (-4)$



**Watch Video Solution**

**75.** Do this  $5 - (+7)$



**Watch Video Solution**

**76.** Do this  $4 - (-2)$



**Watch Video Solution**

**77.** Find  $40 - (22)$



**Watch Video Solution**

**78.** Find  $84 - (98)$



**Watch Video Solution**

**79.** Find  $(-16) + (-17)$



Watch Video Solution

**80.** Find  $(-20) - (13)$



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**81.** Find  $(38) - (-6)$



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**82.** Find  $(-17) - (-36)$



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

$$(-4) + (-5) \dots\dots (-5) - (-4)$$



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

$$(-16) - (-23) \dots\dots (-6) + (-12)$$



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

$$(44) - (-10) \dots\dots\dots 47 + (-3)$$



**Watch Video Solution**

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

$$(-21) + (-22) \dots\dots\dots (-22) + (-21)$$



**Watch Video Solution**

**87.** Fill in the blanks.  $(-13) + \dots\dots\dots = 0$





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**88.** Fill in the blanks.  $(-16) + (16) = \dots\dots$



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**89.** Fill in the blanks.  $(-5) + \dots\dots = -14$



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**90.** Fill in the blanks.  $\dots\dots - 16 = -22$







**Watch Video Solution**

**91. Simplify :**  $(-6) - (-5) - (+2)$



**Watch Video Solution**

**92. Simplify :**  $(-12) + 42 - 7 - 2$



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**93. Simplify :**  $(-3) + (-6) + (-24)$





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**94.** Simplify :  $40 - ( - 50 ) - 2$



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**95.** Represent the statement using signs of integers: The temperature of Guntur is  $42^{\circ}C$  above  $0^{\circ}C$



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**96.** Represent the statement using signs of integers: The aeroplane is flying at a height of 2500 meters



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**97.** Represent the statement using signs of integers: the submarine is 1200 mts under the sea?



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**98.** Represent the statement using signs of integers: the price of oil raise ₹5 per litre from today?



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**99.** Write the integer between -10 and -2. show on number line.



**Watch Video Solution**

**100.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

$-98 \dots -86$



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**101.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

$-1 \dots -8$



**Watch Video Solution**

**102.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

$+11$ ..... $-11$



**Watch Video Solution**

**103.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers: $-15$ ..... $+15$



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**104.** The temperature recorded in Ooty is  $+4^{\circ}C$  and in Bangalore is  $+12^{\circ}C$  on the same day. Which place is colder on that day?



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**105.** Add:  $6 + (-4)$



**Watch Video Solution**

**106.** Add:  $(-3) + (-5)$



**Watch Video Solution**

**107.** Add:  $6 + 4 + (-5)$



**Watch Video Solution**

**108.** Add:  $10 + (-2) + (-7)$



**Watch Video Solution**

**109.** Add without using number line:

$(-117) + (+98)$





**Watch Video Solution**

**110.** Add without using number line:

$$-68 + (39)$$



**Watch Video Solution**

**111.** Add without using number line:

$$101 + (-79)$$



**Watch Video Solution**

**112.** Add without using number line:

$$36 + (-14)$$



**Watch Video Solution**

**113.** Fill the blank with  $>$  ,  $<$  or  $=$  sign:

$$(-17) - (-33) \dots\dots (-7) - (-43)$$



**Watch Video Solution**

**114.** Fill the blank with  $>$  ,  $<$  or  $=$  sign:

$$(-18) + (-17) \dots\dots (18) + (-17)$$



**Watch Video Solution**

**115.** Fill the blank with  $>$  ,  $<$  or  $=$  sign:

$$(-11) + (11) \dots\dots (-11) + (-11)$$



**Watch Video Solution**

**116.** Fill the blank with  $>$  ,  $<$  or  $=$  sign:

$$(0)+(37).....(+37)-(0)$$



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**117.** Fill in the blank:the sum of two negative integer is.....



**Watch Video Solution**

**118.** Fill in the blanks : ..... is the Additive Identity.



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**119.** Fill in the blank: The Additive Inverse of +13 is.....



**Watch Video Solution**

**120.** Fill in the blank:  $(-8) + \dots = 15$



**Watch Video Solution**

**121.** Fill in the blank:  $(-29) + 29 = \dots\dots\dots$



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**122.** Ravi took a number -12 instead of +12, how much the less he took?



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**123.** A person moves Up 4 steps and came down to 5 steps. Where is he now? Show it on vertical line.



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**124.** The temperature on a cold night in Simla is  $-4^{\circ}C$  and in delhi  $8^{\circ}C$  what is the difference of temperature?



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**125.** Express the given below with appropriate integers: The price of rice raises to 30 per kg.



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**126.** Express the given below with appropriate integers: The price of onions falls to 10 per kg



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**127.** Express the given below with appropriate integers: The price of nano car is raised by ₹ 20,000 in the recent budget.



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**128.** Express the given below with appropriate integers: The rainfall falls down to 8 cm last year in Guntur.



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**129.** Represent on number line the integers lie between  $-3$  and  $+5$



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**130.** A bird is flying at a height of 18 meters above the river and it saw a fish at a depth of 3 meters . how much distance the bird has to travel to reach the fish?



**Watch Video Solution**

**131.** Add  $(-4)$  and  $(-5)$  using the number line.



**Watch Video Solution**

**132.** Find the sum of  
 $-32, +27, -9, +11, -3$



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**133.** Subtract  $(+14)$  from  $(-9)$



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**134.** Which is the positive integer to zero?



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**135.** Which is the small among -7, -6?



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**136.** Which integer neither +ve nor -ve?



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**137.** Sachin recorded the temperature as  $-12^{\circ}C$  instead of  $+12^{\circ}C$  . what is the variation of the temperature?



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**138.** What is the additive inverse of  $+18$ ?



**Watch Video Solution**

**139.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-5.....0



**Watch Video Solution**

**140.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-7.....-8



**Watch Video Solution**

**141.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

+100.....-100



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**142.** Put an appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-31.....-29



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**143.** Sum of two negative integer is a negative integer? Give an example ?



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**144.** If a number is we subtracted from 5 is decreasing the result obtained is increasing. explain?



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**Example**



1. Find the sum of

$$(-10) + (+14) + (-5) + (+8)$$



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2. Find the sum of  $(-20)$ ,  $(-82)$ ,  $(-28)$  and  $(-14)$ .



**Watch Video Solution**

3. Find the sum of

$$-25 + (21) + (-20) + (+17) + (-1)$$



**Watch Video Solution**

4. Subtract -5 from 6.



**Watch Video Solution**

5. Find the value of  $(-7) - (-9)$  using number line.



**Watch Video Solution**

6. Subtract  $(-6)$  from  $(-13)$ .



**Watch Video Solution**

7. Subtract  $(+8)$  from  $(-8)$



**Watch Video Solution**

8. Simplify:  $(-6) - (+7) - (-24)$



**Watch Video Solution**

9. Find the sum of

$$(-10) + (+14) + (-5) + (+8)$$



**Watch Video Solution**

10. Find the sum of  $(-20)$ ,  $(-82)$ ,  $(-28)$  and  $(-14)$ .



**Watch Video Solution**

**11.** Find the sum of

$$25 + (-21) + (-20) + (+17) + (-1)$$



**Watch Video Solution**

**12.** Subtract -5 from 6.



**Watch Video Solution**

**13.** Find the value of  $(-7) - (-9)$  using number line.



**Watch Video Solution**

**14.** Subtract  $(-6)$  from  $(-13)$ .



**Watch Video Solution**

**15.** Subtract  $(+8)$  from  $(-8)$



**Watch Video Solution**

**16.** Simplify:  $(-6) - (+7) - (-24)$



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Do This

1. Mansa has borrowed ₹. 50 and Swetha has borrowed ₹. 20 from their mother. How will you represent this on the number line? Suppose their father gave them ₹100 each as a pocket money. Who will have more money after clearing the debit?



Watch Video Solution

2. Draw a vertical line and represent the following Integers on the number line:

-5, 4, -7, 6, -9, -4, 2, -2.



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3. From the above understanding, fill in the boxes using  $<$  or  $>$  signs:

0 ..... -1



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4. From the above understanding, fill in the boxes using  $<$  or  $>$  signs:

-3 ..... -2



**Watch Video Solution**

5. From the above understanding, fill in the boxes using  $<$  or  $>$  signs:

5 ..... 6



**Watch Video Solution**

6. From the above understanding, fill in the boxes using  $<$  or  $>$  signs:

$$-4 \dots\dots\dots 0$$



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7. Find the values of the following:

$$-7 + 8$$



**Watch Video Solution**

**8.** Find the values of the following:

$$-3 + 5$$



**Watch Video Solution**

**9.** Find the values of the following:

$$-3 - 2$$



**Watch Video Solution**

**10.** Find the values of the following:

$$+7 - 10$$



**Watch Video Solution**

**11.**  $-5 - (-3)$



**Watch Video Solution**

**12.**  $-7 - (+2)$



**Watch Video Solution**

**13.**  $-7 - (-5)$



**Watch Video Solution**

**14.**  $3 - (-4)$



**Watch Video Solution**

**15.**  $5 - (+7)$



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$$16. 4 - (-2)$$



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**17.** Manasa has borrowed Rs. 50 and Swetha has borrowed Rs. 20 from their mother. How will you represent this on the number line? Suppose their father gave them Rs.100 each as pocket money, who will have more money after clearing the debit?





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**18.** Draw a vertical line and represent the following Integers on the number line:

-5, 4, -7, -8, -2, 9, 5, -6, 2.



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**19.** fill in the boxes using  $<$  or  $>$  signs:

0 ..... -1



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20. , fill in the boxes using  $<$  or  $>$  signs:

-3 ..... -2



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21. fill in the boxes using  $<$  or  $>$  signs:

5 ..... 6



**Watch Video Solution**



**22.** From the above understanding, fill in the boxes using  $<$  or  $>$  signs:

$$-4 \dots\dots\dots 0$$



**Watch Video Solution**

**23.** Find the values of the following:

$$-7 + 8$$



**Watch Video Solution**

**24.** Find the values of the following:

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**Watch Video Solution**

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**Watch Video Solution**

**26.** Find the values of the following:

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**Watch Video Solution**

**27.** Find the values of the following.  $-3 + 5$



**Watch Video Solution**

**28.** Find the values of the following:

$$-7 - (+2)$$



**Watch Video Solution**

**29.**  $-7 - (-5)$



**Watch Video Solution**

**30.**  $3 - (-4)$



**Watch Video Solution**

**31.**  $5 - (+7)$



**Watch Video Solution**

$$32.4 - (-2)$$



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**Think Discuss And Write**

1. Write some more models for positive and negative numbers in our daily life.



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2. Observe that as the number we subtract from 3 is decreasing the result obtained is increasing. Do say is it true for all integers.  $3 - 3 = 0$ ,  $3 - 2 = 1$ ,  $3 - 1 = 2$ ,  $3 - 0 = 3$ ,  $3 - (-1) = 4$ ,  $3 - (-2) = 5$ ,  $3 - (-3) = 6$ .



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3. Write some more models for positive and negative numbers in our daily life.



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4. Observe that as the number we subtract from 3 is decreasing the result obtained is increasing. Do say is it true for all integers.  $3 - 3 = 0$ ,  $3 - 2 = 1$ ,  $3 - 1 = 2$ ,  $3 - 0 = 3$ ,  $3 - (-1) = 4$ ,  $3 - (-2) = 5$ ,  $3 - (-3) = 6$ .



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**Try These**

1. Collect information about temperature recorded at various places in India in the month of January and write them using integers.



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2. Find the value following using a number line.

$$(-3) + 5$$



Make your own two new questions and solve them using the number line.



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**3.** Find the value following using a number line.

$$(-5) + 3$$



**Watch Video Solution**

4. Find the solution of the following:

$$(+6) + (-6)$$

.



**Watch Video Solution**

5. Find the solution of the following:

$$(+6) + (-7) .$$



**Watch Video Solution**

6. Find the solution of the following:

$$(-7) + (+2).$$



**Watch Video Solution**

7. Collect information about temperature recorded at various places in India in the month of January and write them using integers.



**Watch Video Solution**

8. Find the value following using a number line.

$$(-3) + 5$$

Make your own two new questions and solve them using the number line.



**Watch Video Solution**

9. Find the value following using a number line.

$$(-5) + 3$$



**Watch Video Solution**

**10.** Find the solution of the following:  $(+5) + (-5)$



**Watch Video Solution**

**11.** Find the solution of the following:  
 $(+6) + (-7)$  .



**Watch Video Solution**

12. Find the solution of the following:

$$(-8) + (+2)$$



**Watch Video Solution**

## Exercise 6 1

1. Represent the statement using signs of integers. An aeroplane is flying at a height of 3000 meters.



**Watch Video Solution**

2. Represent the following statements using signs of Integers.

The fish is 10 meters below the water surface.



**Watch Video Solution**

3. Represent the following statements using signs of Integers.

The temperature in Hyderabad is  $35^{\circ}C$  above  $0^{\circ}C$ .



**Watch Video Solution**

4. Represent the following statements using signs of Integers.

Water freezes at  $0^{\circ}\text{C}$  temperature.



**Watch Video Solution**

5. Represent the statement using signs of integers: The average temperature at the Mount Everest in January is  $36^{\circ}\text{C}$  below zero degree.





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6. Represent the statement using signs of integers: The submarine is 500 meters below the surface of the sea.



[Watch Video Solution](#)

7. Represent the statement using signs of integers: The average temperature at Darjeeling in July is  $19^{\circ}C$  below zero degree.





[Watch Video Solution](#)

8. Represent the statement using signs of integers: The average temperature in Visakhapatnam during January is  $18^{\circ}C$ .



[Watch Video Solution](#)

9. Write any five negative integers.



[Watch Video Solution](#)

**10.** Write any five positive integers.



**Watch Video Solution**

**11.** Mark the integers on the number line given below:  $-4, 3, 2, 0, -1, 5$



**Watch Video Solution**

**12.** Write True or False. If the statement is false, correct the statement.

– 7 is on the right side of -6 on the number line.



**Watch Video Solution**

**13.** Write True or False. If the statement is false, correct the statement.

Zero is a positive number.



**Watch Video Solution**

**14.** Write True or false. If the statement is false, correct the statement: 9 is on the right side of zero on the number line.



**Watch Video Solution**

**15.** Write True or false. If the statement is false, correct the statement: -1 is an interger which lies between -2 and 0.



**Watch Video Solution**

**16.** Represent the following statements using signs of Integers.

An aeroplane is flying at a height of 3000 meters



**Watch Video Solution**

**17.** Represent the following statements using signs of Integers.

The fish is 10 meters below the water surface.



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**Watch Video Solution**

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**Watch Video Solution**

**26.** Mark the integers on the number line given

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[Watch Video Solution](#)

**27.** Write True or False. If the statement is false, correct the statement.

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[Watch Video Solution](#)

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[Watch Video Solution](#)

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## Exercise 6 2

1. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-1.....0



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2. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-3 ..... -7



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3. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-10 ..... + 10



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4. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

0 ..... -5



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5. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-100 ..... 99



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6. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

0 .....100



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7. Write the following integers in increasing and decreasing order:

-7, 5, -3



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8. Write the following integers in increasing and decreasing order:



-1, 3, 0



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**9.** Write the following integers in increasing and decreasing order:

1, 3, -6



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**10.** Write the following integers in increasing and decreasing order:

-5, -3, -1



**Watch Video Solution**

**11.** Write true or false, correct those that are False: Zero is on the right of -3.



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**12.** Write true or false, correct those that are False: -12 and +12 represent on the number line the same integer.



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**13.** Write true or false, correct those that are False: Every positive integer greater than zero.



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**14.** Write true or false, correct those that are False:  $-5 < 8$



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**15.** Write true or false, correct those that are

False:  $(-100) > (+100)$



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**16.** Write true or false, correct those that are

False:  $-1 < -8$



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**17.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-1$  and  $1$



**Watch Video Solution**

**18.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-5$  and  $0$



**Watch Video Solution**

**19.** Find all integers which lie between the given two integers. Also represent them on number line:

-6 and -8



**Watch Video Solution**

**20.** Find all integers which lie between the given two integers. Also represent them on the number line. 0 and  $-3$



**Watch Video Solution**

21. The temperature recorded in shimla is  $-4^{\circ}C$  and in kufri is  $-6^{\circ}C$  on the same day.

Which place is colder on that day?



**Watch Video Solution**

22. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

$-1$ ..... $0$



**Watch Video Solution**

**23.** Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-3 ..... -7



**Watch Video Solution**

**24.** Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-10 ..... + 10



**Watch Video Solution**



**25.** Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

0 ..... -5



**Watch Video Solution**

**26.** Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

-100 ..... 99



**Watch Video Solution**

27. Put appropriate symbol  $>$  or  $<$  in the boxes given between the two integers:

0 .....100



**Watch Video Solution**

28. Write the following integers in increasing and decreasing order:

-7, 5, -3



**Watch Video Solution**

**29.** Write the following integers in increasing and decreasing order:

-1, 3, 0



**Watch Video Solution**

**30.** Write the following integers in increasing and decreasing order:

1, 3, -6



**Watch Video Solution**

**31.** Write the following integers in increasing and decreasing order:

-5, -3, -1



**Watch Video Solution**

**32.** Write true or false, correct those that are False: Zero is on the right of -3.



**Watch Video Solution**

**33.** Write true or false, correct those that are False: -12 and +12 represent on the number line the same integer.



**Watch Video Solution**

**34.** Write true or false, correct those that are False: Every positive integer greater than zero.



**Watch Video Solution**

**35.** Write true or false, correct those that are

False:  $-5 < 8$



**Watch Video Solution**

**36.** Write true or false, correct those that are

False:  $-5 < 8$



**Watch Video Solution**

**37.** Write true or false, correct those that are

False:  $-5 < 8$



**Watch Video Solution**

**38.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-1$  and  $1$



**Watch Video Solution**

**39.** Find all integers which lie between the given two integers. Also represent them on the number line.  $-5$  and  $0$



**Watch Video Solution**

**40.** Find all integers which lie between the given two integers. Also represent them on number line:

$-6$  and  $-8$



**Watch Video Solution**



**41.** Find all integers which lie between the given two integers. Also represent them on the number line. 0 and  $-3$



**Watch Video Solution**

**42.** The temperature recorded in shimla is  $-4^{\circ}C$  and in kufri is  $-6^{\circ}C$  on the same day. Which place is colder on that day?



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## Exercise 6 3

1. Add the following integers using number line.  $7 + (-6)$



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2. Add the following integers using number line.  $(-8) + (-2)$



**Watch Video Solution**

3. Add the following integers using number line.  $(-6) + (-5) + (+2)$



**Watch Video Solution**

4. Add the following integers using number line.  $(-8) + (-9) (+17)$



**Watch Video Solution**

5. Add the following integers using number line.  $(-3) + (-8) + (-5)$



**Watch Video Solution**

6. Add the following integers using number line.  $(-1) + (+7) + (-3)$



**Watch Video Solution**

7. Add without using number line :  $10 + (-3)$



**Watch Video Solution**

8. Add without using number line.

$$-10 + (+16)$$



**Watch Video Solution**

9. Add without using number line :

$$(-8) + (+8)$$



**Watch Video Solution**

**10.** Add without using number line :

$$(-215) + (+100)$$



**Watch Video Solution**

**11.** Add without using number line :

$$(-110) + (-22)$$



**Watch Video Solution**

**12.** Add without using number line :

$$17 + (-11)$$



**Watch Video Solution**

**13.** Find the sum of -120 and -274



**Watch Video Solution**

**14.** Find the sum of -68 and 28



**Watch Video Solution**

**15.** Find the sum of -29, 38 and 190



**Watch Video Solution**

**16.** Find the sum of -60, -100 and 300



**Watch Video Solution**

**17.** Simplify:

$$(-6) + (-10) + 5 + 17$$





**Watch Video Solution**

**18. Simplify:**  $30 + (-30) + (-60) + (-18)$



**Watch Video Solution**

**19.**

**Simplify:**

$(-80) + (+40) + (-30) + (+6)$



**Watch Video Solution**

**20.** Simplify:

$$70 + (-18) + (-10) + (-17)$$



**Watch Video Solution**

**21.** Add the following integers using number line.  $7 + (-6)$



**Watch Video Solution**

**22.** Add the following integers using number line.  $(-8) + (-2)$



**Watch Video Solution**

**23.** Add the following integers using number line.  $(-6) + (-5) + (+2)$



**Watch Video Solution**

**24.** Add the following integers using number line.  $(-8) + (-9) (+17)$



**Watch Video Solution**

**25.** Add the following integers using number line.  $(-3) + (-8) + (-5)$



**Watch Video Solution**

**26.** Add the following integers using number line.  $(-1) + (+7) + (-3)$



**Watch Video Solution**

**27.** Add without using number line :

$$10 + (-3)$$



**Watch Video Solution**

**28.** Add without using number line.

$$-10 + (+16)$$



**Watch Video Solution**

**29.** Add without using number line :

$$(-8) + (+8)$$



**Watch Video Solution**

**30.** Add without using number line :

$$(-215) + (+100)$$



**Watch Video Solution**

**31.** Add without using number line :

$$(-110) + (-22)$$



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**32.** Add without using number line :

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**Watch Video Solution**



**35.** Find the sum of -29, 38 and 190



**Watch Video Solution**

**36.** Find the sum of -60, -100 and 300



**Watch Video Solution**

**37.** Simplify:

$$(-6) + (-10) + 5 + 17$$



**Watch Video Solution**

**38. Simplify:**  $30 + (-30) + (-60) + (-18)$



**Watch Video Solution**

**39.**

**Simplify:**

$(-80) + (+40) + (-10) + (-17)$



**Watch Video Solution**

**40.** Simplify:

$$70 + (-18) + (-10) + (-17)$$



**Watch Video Solution**

## Exercise 6 4

**1.** Find :

$$40 - (20)$$



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2. Find  $84 - (98)$



**Watch Video Solution**

3. Find  $(-16) + (-17)$



**Watch Video Solution**

4. Find  $(-20) - (13)$



**Watch Video Solution**

5. Find :

$$(38) - (-6)$$



Watch Video Solution

6. Find  $(-17) - (-36)$



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

$$(-4) + (-5) \dots\dots (-5) - (-4)$$



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

$$(-16) - (-23) \dots\dots (-6) + (-12)$$



**Watch Video Solution**

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

$$(44) - (-10) \dots\dots 47 + (-3)$$



**Watch Video Solution**

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

$$(-21) + (-22) \dots\dots (-22) + (-21)$$



**Watch Video Solution**

11. Fill in the blanks.  $(-13) + \dots\dots = 0$



**Watch Video Solution**

12. Fill in the blanks.  $(-16) + (16) = \dots\dots$



**Watch Video Solution**

**13.** Fill in the blanks.  $(-5) + \dots = -14$



**Watch Video Solution**

**14.** Fill in the blanks.  $\dots - 16 = -22$



**Watch Video Solution**

**15.** Simplify:  $(-6) - (-5) - (+2)$



**Watch Video Solution**



**16. Simplify :**  $(-12) + 42 - 7 - 2$



**Watch Video Solution**

**17. Simplify :**  $(-3) + (-6) + (-24)$



**Watch Video Solution**

**18. Simplify :**  $40 - (-50) - 2$



**Watch Video Solution**

**19. Find :**

$$40 - (22)$$



**Watch Video Solution**

**20. Find  $84 - (98)$**



**Watch Video Solution**

**21. Find  $(-16) + (-17)$**



**Watch Video Solution**

**22.** Find  $(-20) - (13)$



**Watch Video Solution**

**23.** Find :

$(38) - (-6)$



**Watch Video Solution**

**24.** Find  $(-17) - (-36)$



**Watch Video Solution**

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

$$(-4) + (-5) \dots\dots (-5) - (-4)$$



**Watch Video Solution**

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

$$(-16) - (-23) \dots\dots (-6) + (-12)$$



**Watch Video Solution**

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

$$(44) - (-10) \dots\dots\dots 47 + (-3)$$



**Watch Video Solution**

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

$$(-21) + (-22) \dots\dots\dots (-22) + (-21)$$



**Watch Video Solution**

**29.** Fill in the blanks.  $(-13) + \dots\dots\dots = 0$





[Watch Video Solution](#)

**30.** Fill in the blanks.  $(-16) + (16) = \dots\dots$



[Watch Video Solution](#)

**31.** Fill in the blanks.  $(-5) + \dots\dots = -14$



[Watch Video Solution](#)

**32.** Fill in the blanks.  $\dots\dots - 16 = -22$





**Watch Video Solution**

**33. Simplify:**  $(-6) - (-5) - (+2)$



**Watch Video Solution**

**34. Simplify :**  $(-12) + 42 - 7 - 2$



**Watch Video Solution**

**35. Simplify :**  $(-3) + (-6) + (-24)$





**Watch Video Solution**

**36. Simplify :**  $40 - ( - 50 ) - 2$



**Watch Video Solution**