



MATHS

NCERT - NCERT MATHEMATICS(Hinglish)

INTEGERS

Exercise 6 2

1. Find the sum : (a) $(-7) + (-9) + 4 + 16$ (b)
 $(37) + (-2) + (-65) + (-8)$



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2. Find the sum of

(a) 137 and (-354)

(b) (-52) and 52

(c) -312 , 39 and 192

(d) -50 , -200 and 300



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3. Using the number line write the integer which is : (a) 3 more than 5 (b) 5 more than -5 (j) 6 less than 2 (k) 3 less than -2



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4. Add without using number line : (a) $11 + (-7)$ (b) $(-13) + (+18)$
(c) $(-10) + (+19)$ (d) $(-250) + (+150)$ (e) $(-380) + (-70)$ (f)
 $(-217) + (-100)$



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5. Use number line and add the following integers :

(a) $9 + (-6)$

(b) $5 + (-11)$

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

(d) $(-5) + 10$

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

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



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Exercise 6 1

1.10. Draw a number line and answer the following :

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

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

(c) If we are at -80 the number line, in which direction should we move to reach -13 ?

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



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2. Write opposites of the following :

- (a) Increase in weight
- (b) 30 km north
- (c) 326 BC
- (d) Loss of ₹700
- (e) 100 m above sea level



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3. Represent the following numbers as integers with appropriate signs.

- (a) An airplane is flying at a height two thousand meter above the ground.
- (b) A submarine is moving at a depth, eight hundred meter below the sea level.
- (c) A deposit of rupees two hundred.
- (d) Withdrawal of rupees seven hundred.



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4. Represent the following numbers on a number line :

a) $+5$

(b) -10

(c) $+8$

(d) -1

(e) -6



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

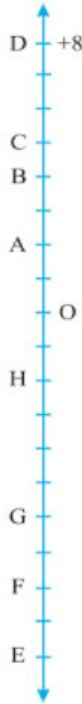
(a) If point D is $+8$, then which point is -8 ?

(b) Is point G a negative integer or a positive integer?

(c) Write integers for points B and E.

(d) Which point marked on this number line has the least value?

(e) Arrange all the points in decreasing order of value.



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6. Following is the list of temperatures of five places in India on a particular day of the year. Place Temperature Sachin $10^{\circ}C$ below $\{0^{\circ}\}C$ Shimla $2^{\circ}C$ below $0^{\circ}C$ Ahmedabad $30^{\circ}C$ above $0^{\circ}C$ Delhi $20^{\circ}C$ above $0^{\circ}C$ Srinagar $5^{\circ}C$ below $0^{\circ}C$ (a) Write the temperature so f these places in the form of integers $\geq rs \in$ the $10^{\circ}C$



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

(a) 2, 9

(b) -3 , -8

(c) 0, -1

(d) -11 , 10

(e) -6 , 6

(f) 1, -100



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

(a) 0 and -7

(b) -4 and 4

(c) -8 and -15

(d) -30 and -23 2)

WRITE 4 integers greater than -20 and 4 integers less than -10 .

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9. (a) Write four negative integers greater than -20 . (b) Write four negative integers less than -10 .

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10. 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.

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

(c) Smallest negative integer is -1

(d) -26 is greater than -25

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Exercise 6 3

1. Fill in the blanks with $>$, $<$ or $=$.

(a) $(-3) + (-6)$ _____ $(-3) - (-6)$

(b) $(-21) - (-10)$ _____ $(-31) + (-11)$

(c) $45 - (-11)$ _____ $57 + (-4)$

(d) $(-25) - (42)$ _____ $(-42) - (25)$

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2. Fill in the blanks. (a)

$(-8) + [- ?][- ?][- ?][- ?] = 0$ (b) $13 + [- ?][- ?][- ?][- ?] [- ?]$

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3. Find

(a) $35 - (20)$

(b) $72 - (90)$

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

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

(e) $23 - (-12)$

(f) $(-32) - (-40)$



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4. Find (a) $(-7) - 8 - (-25)$ (b) $(-13) + 32 - 8 - 1$ (c)

$(-7) + (-8) + (-90)$ (d) $50 - (-40) - (-2)$



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