



एन सी ई आर टी
NCERT

NCERT

National Council Of Educational Research
And Training

NCERT Solutions for 6th Class Maths: Chapter 6- Integers



IndCareer
Schools



indCareer



indCareer



indCareer

NCERT Solutions for 6th Class Maths: Chapter 6- Integers

Class 6: Maths Chapter 6 solutions. Complete Class 6 Maths Chapter 6 Notes.

NCERT Solutions for 6th Class Maths: Chapter 6- Integers

NCERT 6th Maths Chapter 6, class 6 Maths Chapter 6 solutions

Exercise 6.1

1. Write opposites of the following :

- (a) Increase in weight
- (b) 30 km north
- (c) 326 BC

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

- (d) Loss of Rs 700
- (e) 100 m above sea level

Answer

- (a) Decrease in weight
- (b) 30 km south
- (c) 326 A.D.
- (d) Gain of Rs 700
- (e) 100 m below sea level

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

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

Answer

- (a) + 2000
- (b) – 800
- (c) + 200
- (d) – 700

3. Represent the following numbers on a number line :

- (a) + 5
- (b) – 10
- (c) + 8

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

(d) – 1

(e) – 6

Answer

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

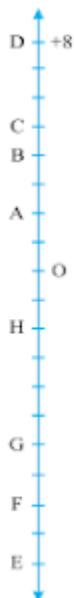
(a) If point D is + 8, then which point is – 8?

(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



Answer

(a) F

(b) Negative integer -6

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

(c) Point B represents 4 and point E represents – 10

(d) E has the least value as it represent – 10

(e) $D > C > B > A > O > H > G > F > E$

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

Place Temperature

Sachin 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.

(b) Following is the number line representing the temperature in degree Celsius



Plot the name of the city against its temperature.

(c) Which is the coolest place?

(d) Write the names of the places where temperatures are above 10°C

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

Answer

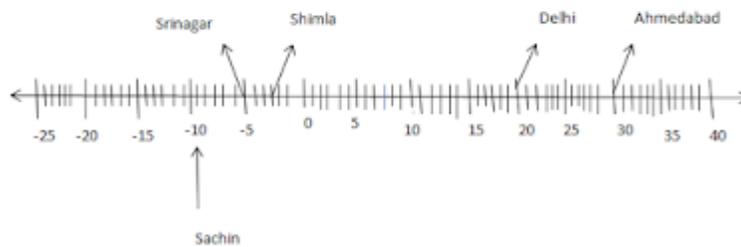
a) Sachin $\rightarrow -10^{\circ}\text{C}$

Shimla $\rightarrow -2^{\circ}\text{C}$

Ahmedabad $\rightarrow +30^{\circ}\text{C}$

Delhi $\rightarrow +20^{\circ}\text{C}$

Srinagar $\rightarrow -5^{\circ}\text{C}$



b)

c) Sachin

d) Delhi, Ahmedabad

6. 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

Answer

a) 9 ($9 > 2$)

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

b) -3 ($-3 > -8$)

c) 0 ($0 > -1$)

d) 10 ($10 > -11$)

e) 6 ($6 > -6$)

f) 1 ($1 > -100$)

7. 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

Answer

a) $-6, -5, -4, -3, -2, -1$

b) $-3, -2, -1, 0, 1, 2, 3$

c) $-14, -13, -12, -11, -10, -9$

d) $-29, -28, -27, -26, -25, -24$

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

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

Answer

a) $-19, -18, -17, -16$

b) $-11, -12, -13, -14$

9. For the following statements, write True (T) or False (F).

If the statement is false, correct the statement.

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

- (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 .

Answer

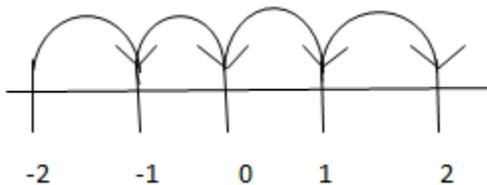
- a) True
- b) False ($-50 > -100$) -100 is to the left of -50 on a number line
- c) False , -1 is greatest integer
- d) False , -26 is smaller than -25

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 -8 on 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 ?

Answer

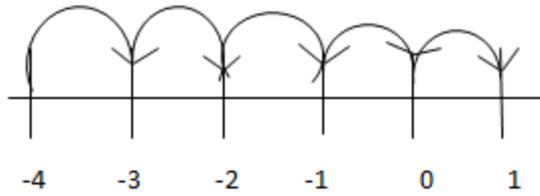
a)



We move 4 numbers to the right of -2 .

b) We move 5 numbers to the left of 1 .

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

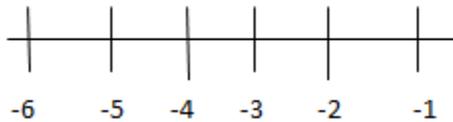


c)



13 is to the left of -8

d)



-1 is to the right of -6

NCERT 6th Maths Chapter 6, class 6 Maths Chapter 6 solutions

Exercise 6.2

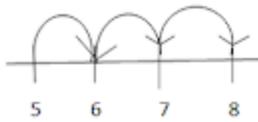
1. Using the number line write the integer which is :

- (a) 3 more than 5
- (b) 5 more than -5
- (c) 6 less than 2
- (d) 3 less than -2

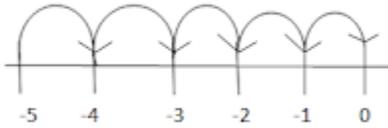
<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

Answer

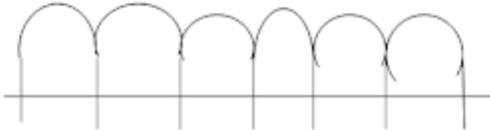
a)



b)



c)



NCERT 6th Maths Chapter 6, class 6 Maths Chapter 6 solutions

Exercise 6.3

1. Find

(a) $35 - (20)$

(b) $72 - (90)$

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

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

(e) $23 - (-12)$

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

Answer

(a) $35 - (20) = 15$

(b) $72 - (90) = -18$

(c) $(-15) - (-18) = -15 + 18 = 3$

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

$$(d) (-20) - (13) = -33$$

$$(e) 23 - (-12) = 23 + 12 = 35$$

$$(f) (-32) - (-40) = -32 + 40 = 8$$

2. Fill in the blanks with >, < or = sign.

$$(a) (-3) + (-6) \underline{\hspace{1cm}} (-3) - (-6)$$

$$(b) (-21) - (-10) \underline{\hspace{1cm}} (-31) + (-11)$$

$$(c) 45 - (-11) \underline{\hspace{1cm}} 57 + (-4)$$

$$(d) (-25) - (-42) \underline{\hspace{1cm}} (-42) - (-25)$$

Answer

$$(a) (-3) + (-6) = -9$$

$$(-3) - (-6) = -3 + 6 = 3$$

$$-9 < 3$$

$$(b) (-21) - (-10) = -21 + 10 = -11$$

$$-31 + (-11) = -42$$

$$-11 > -42$$

$$(c) 45 - (-11) = 45 + 11 = 56$$

$$57 + (-4) = 57 - 4 = 53$$

$$56 > 53$$

$$(d) (-25) - (-42) = -25 + 42 = 17$$

$$-42 - (-25) = -42 + 25 = -17$$

$$17 > -17$$

3. Fill in the blanks.

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

(a) $(-8) + \underline{\hspace{2cm}} = 0$

(b) $13 + \underline{\hspace{2cm}} = 0$

(c) $12 + (-12) = \underline{\hspace{2cm}}$

(d) $(-4) + \underline{\hspace{2cm}} = -12$

(e) $\underline{\hspace{2cm}} - 15 = -10$

Answer

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

(b) $13 + (-13) = 0$

(c) $12 + (-12) = 0$

(d) $(-4) + (-8) = -12$

(e) $-5 - 15 = -10$

4. Find

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

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

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

(d) $50 - (-40) - (-2)$

Answer

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

$= -7 - 8 + 25 = -15 + 25 = 10$

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

$= -13 + 32 - 8 - 1 = 32 - 22 = 10$

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

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

$$= -7 - 8 - 90 = -105$$

$$(d) 50 - (-40) - (-2)$$

$$= 50 + 40 + 2 = 92$$

NCERT 6th Maths Chapter 6, class 6 Maths Chapter 6 solutions



Chapterwise NCERT Solutions for Class 6 Maths :

- Chapter 1 Knowing Our Numbers
- Chapter 2 Whole Numbers
- Chapter 3 Playing with Numbers
- Chapter 4 Basic Geometrical Ideas
- Chapter 5 Understanding Elementary Shapes
- Chapter 6 Integers
- Chapter 7 Fractions
- Chapter 8 Decimals
- Chapter 9 Data Handling
- Chapter 10 Mensuration
- Chapter 11 Algebra
- Chapter 12 Ratio and Proportion
- Chapter 13 Symmetry
- Chapter 14 Practical Geometry

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>

About NCERT

The National Council of Educational Research and Training is an autonomous organization of the Government of India which was established in 1961 as a literary, scientific, and charitable Society under the Societies Registration Act. The major objectives of NCERT and its constituent units are to: undertake, promote and coordinate research in areas related to school education; prepare and publish model textbooks, supplementary material, newsletters, journals and develop educational kits, multimedia digital materials, etc. Organise pre-service and in-service training of teachers; develop and disseminate innovative educational techniques and practices; collaborate and network with state educational departments, universities, NGOs and other educational institutions; act as a clearing house for ideas and information in matters related to school education; and act as a nodal agency for achieving the goals of Universalisation of Elementary Education. In addition to research, development, training, extension, publication and dissemination activities, NCERT is an implementation agency for bilateral cultural exchange programmes with other countries in the field of school education. Its headquarters are located at Sri Aurobindo Marg in New Delhi. [Visit the Official NCERT website](#) to learn more.

<https://www.indcareer.com/schools/ncert-solutions-for-6th-class-maths-chapter-6-integers/>