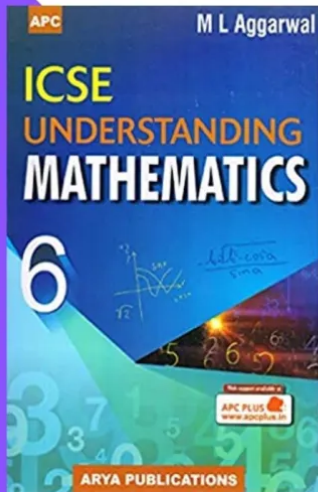


ML Aggarwal Solutions for Class 6 Maths

Chapter 3- Integers



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ML Aggarwal Solutions

CLASS 6 MATHS

Chapter 3: Integers

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ML Aggarwal Solutions for Class 6 Maths

Chapter 3- Integers

Class 6: Maths Chapter 3 solutions. Complete Class 6 Maths Chapter 3 Notes.

ML Aggarwal Solutions for Class 6 Maths Chapter 3- Integers

ML Aggarwal 6th Maths Chapter 3, Class 6 Maths Chapter 3 solutions

1. Write the opposite of the following:

- (i) Loss of Rs 5000
- (ii) 30 km East of Delhi
- (iii) 200 m above sea level
- (iv) 325 BC
- (v) Spending Rs 2700
- (vi) 25° C above freezing point.

Solution:

The opposite statements are as follows:

- (i) Profit of Rs 5000
- (ii) 30 km West of Delhi
- (iii) 200 m below sea level
- (iv) 325 AD
- (v) Earning Rs 2700
- (vi) 25° C below freezing point

2. Write each of the following using appropriate sign '+' or '-'

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- (i) Gain of 3 kg Weight
- (ii) Earning Rs 1340
- (iii) 20° C below freezing point
- (iv) Loss of Rs 470
- (v) Depositing Rs 2500 in a bank
- (vi) 240 m below sea level
- (vii) A jet plane flying at a height of 9320 m
- (viii) 6 m down in the basement of a building

Solution:

The statements using appropriate sign '+' or '-' are as follows:

- (i) + 3 kg Weight
- (ii) + Rs 1340
- (iii) $- 20^{\circ}$ C
- (iv) $-$ Rs 470
- (v) + Rs 2500
- (vi) $-$ 240 m
- (vii) + 9320 m
- (viii) $-$ 6

3. Evaluate the following, using the numbers line

- (i) $4 + (-5)$
- (ii) $(-4) + 5$
- (iii) $7 + (-3)$
- (iv) $-6 + (-2)$

Solution:

(i) Given

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$$4 + (-5)$$

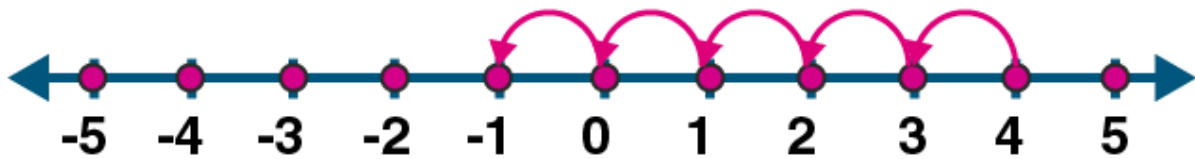
Start from point 4 on the number line and move 5 units to the left side

We reach at -1

Therefore,

$$4 + (-5) = 4 - 5$$

$$= -1$$



(ii) Given

$$(-4) + 5$$

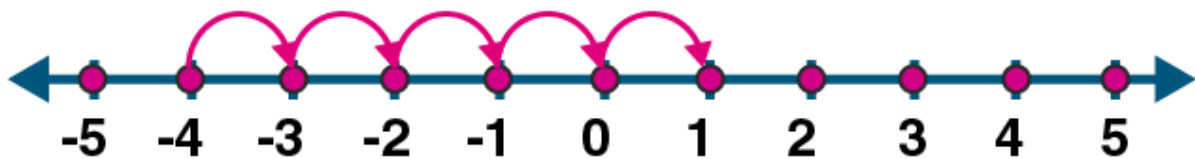
Start from -4 on the number line and move 5 units to the right side,

We reach at 1

Therefore,

$$(-4) + 5 = -4 + 5$$

$$= 1$$



(iii) Given

$$7 + (-3)$$

Start from 7 on the number line and move 3 units to the left side,

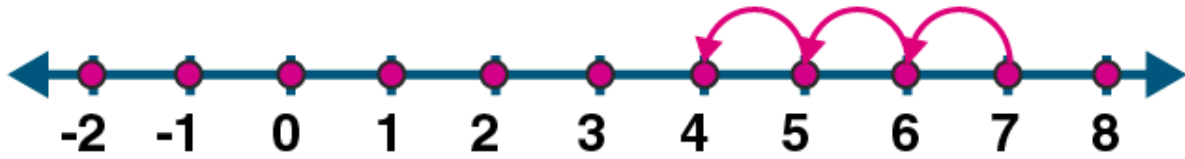
We reach at 4

Therefore,

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$$7 + (-3) = 7 - 3$$

$$= 4$$



(iv) Given

$$(-6) + (-2)$$

Start from -6 on the number line and move 2 units to the left side,

We reach at -8

Therefore,

$$(-6) + (-2) = -6 - 2$$

$$= -8$$



4. Evaluate the following:

(i) $(-8) + (-14)$

(ii) $-35 + (-47)$

(iii) $91 + (-48)$

(iv) $(-203) + 501$

(v) $(-36) + 29$

(vi) $(-131) + 97$

Solution:

(i) $(-8) + (-14)$

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$$= -8 - 14$$

We get,

$$= -22$$

$$(ii) -35 + (-47)$$

$$= -35 - 47$$

We get,

$$= -82$$

$$(iii) 91 + (-48)$$

$$= 91 - 48$$

We get,

$$= 43$$

$$(iv) (-203) + 501$$

$$= -203 + 501$$

We get,

$$= 298$$

$$(v) (-36) + 29$$

$$= -36 + 29$$

We get,

$$= -7$$

$$(vi) (-131) + 97$$

$$= -131 + 97$$

We get,

$$= -34$$

5. Evaluate the following, using the number line:

$$(i) 4 - (-2)$$

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(ii) $-4 - (-2)$

(iii) $3 - 6$

(iv) $-3 - (-5)$

Solution:

(i) $4 - (-2)$

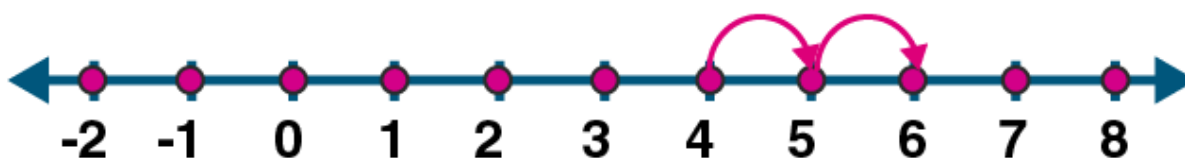
Start from 4 on the number line and move 2 units to the right side,

We reach at 6

Therefore,

$$4 - (-2) = 4 + 2$$

$$= 6$$



(ii) $-4 - (-2)$

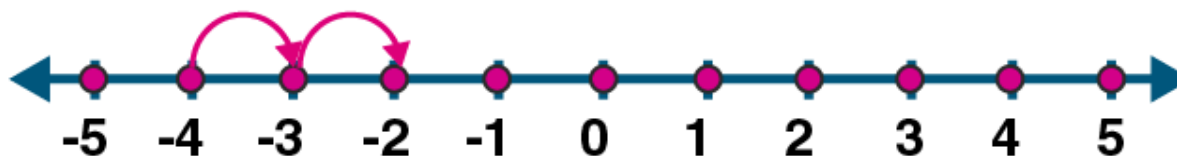
Start from -4 on the number line and move 2 units to the right side,

We reach at -2

Therefore,

$$-4 - (-2) = -4 + 2$$

$$= -2$$



(iii) $3 - 6$

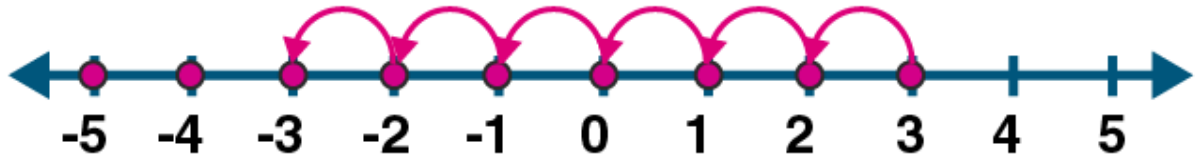
Start from 3 on the number line and move 6 units to the left side,

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We reach at -3

Therefore,

$$3 - 6 = -3$$



(iv) $-3 - (-5)$

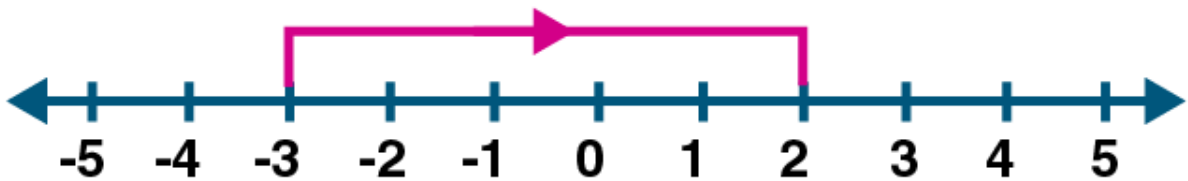
Start from -3 on the number line and move 5 units to the right side,

We reach at 2

Therefore,

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

$$= 2$$



6. Find the value of:

(i) $6 - 9 + 4$

(ii) $-5 - (-3) + 2$

(iii) $7 + (-5) + (-6)$

(iv) $6 - 3 - (-5)$

Solution:

(i) $6 - 9 + 4$

$$= (6 + 4) - 9$$

$$= 10 - 9$$

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We get,

$$= 1$$

$$(ii) -5 - (-3) + 2$$

$$= -5 + 3 + 2$$

$$= -5 + 5$$

We get,

$$= 0$$

$$(iii) 7 + (-5) + (-6)$$

$$= 7 - 5 - 6$$

$$= 2 - 6$$

We get,

$$= -4$$

$$(iv) 6 - 3 - (-5)$$

$$= 6 - 3 + 5$$

$$= 3 + 5$$

We get,

$$= 8$$



ML Aggarwal Solutions Class 6 Maths

- Chapter 1- Knowing Our Numbers
- Chapter 2- Whole Numbers
- Chapter 3- Integers
- Chapter 4- Playing with Numbers
- Chapter 5- Sets
- Chapter 6- Fractions
- Chapter 7- Decimals
- Chapter 8- Ratio and Proportion
- Chapter 9- Algebra
- Chapter 10- Basic Geometrical Concept
- Chapter 11- Understanding Symmetrical Shapes
- Chapter 12- Symmetry
- Chapter 13- Practical Geometry
- Chapter 14- Mensuration
- Chapter 15- Data Handling

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About ML Aggarwal

M. L. Aggarwal, is an Indian mechanical engineer, educator. His achievements include research in solutions of industrial problems related to fatigue design. Recipient Best Paper award, Manipal Institute of Technology, 2004. Member of TSTE.

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