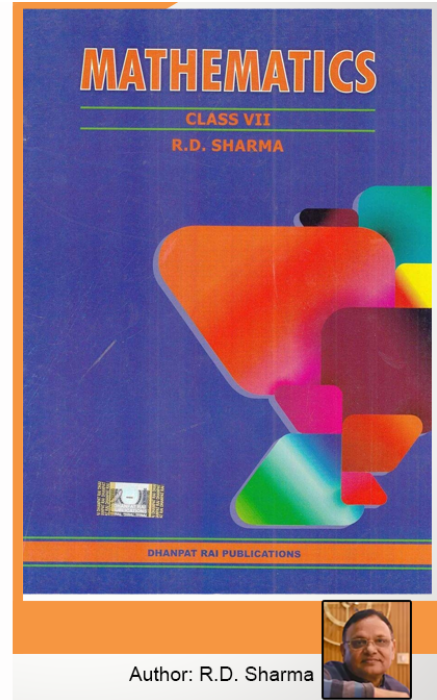


# Class 7 - Chapter 1 Integers



## RD Sharma Solutions for Class 7 Maths Chapter 1–Integers

Class 7: Maths Chapter 1 solutions. Complete Class 7 Maths Chapter 1 Notes.

### RD Sharma Solutions for Class 7 Maths Chapter 1–Integers

RD Sharma 7th Maths Chapter 1, Class 7 Maths Chapter 1 solutions

Exercise 1.1 Page No: 1.5

1. Determine each of the following products:

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>



(i)  $12 \times 7$

(ii)  $(-15) \times 8$

(iii)  $(-25) \times (-9)$

(iv)  $125 \times (-8)$

**Solution:**

(i) Given  $12 \times 7$

Here we have to find the products of given numbers

$$12 \times 7 = 84$$

Because the product of two integers of like signs is equal to the product of their absolute values.

(ii) Given  $(-15) \times 8$

Here we have to find the products of given numbers

$$(-15) \times 8 = -120$$

Because the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

(iii) Given  $(-25) \times (-9)$

Here we have to find the products of given numbers

$$(-25) \times (-9) = + (25 \times 9) = +225$$

Because the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

(iv) Given  $125 \times (-8)$

Here we have to find the products of given numbers

$$125 \times (-8) = -1000$$

Because the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

**2. Find each of the following products:**

(i)  $3 \times (-8) \times 5$

(ii)  $9 \times (-3) \times (-6)$

(iii)  $(-2) \times 36 \times (-5)$

(iv)  $(-2) \times (-4) \times (-6) \times (-8)$

**Solution:**

(i) Given  $3 \times (-8) \times 5$

Here we have to find the product of given number.

$$3 \times (-8) \times 5 = 3 \times (-8 \times 5)$$

$$= 3 \times -40 = -120$$

Since the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

(ii) Given  $9 \times (-3) \times (-6)$

Here we have to find the product of given number.

$$9 \times (-3) \times (-6) = 9 \times (-3 \times -6) \text{ [}\therefore \text{ the product of two integers of like signs is equal to}$$

the product of their absolute values.]

$$= 9 \times +18 = +162$$

(iii) Given  $(-2) \times 36 \times (-5)$

Here we have to find the product of given number.

$$(-2) \times 36 \times (-5) = (-2 \times 36) \times -5 \text{ [}\therefore \text{ the product of two integers of like signs is equal to}$$

the product of their absolute values.]

$$= -72 \times -5 = +360$$

(iv) Given  $(-2) \times (-4) \times (-6) \times (-8)$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

Here we have to find the product of given number.

$(-2) \times (-4) \times (-6) \times (-8) = (-2 \times -4) \times (-6 \times -8)$  [∵ the product of two integers of like signs is equal to the product of their absolute values.]

$$= -8 \times -48 = +384$$

**3. Find the value of:**

(i)  $1487 \times 327 + (-487) \times 327$

(ii)  $28945 \times 99 - (-28945)$

**Solution:**

(i) Given  $1487 \times 327 + (-487) \times 327$

By using the rule of multiplication of integers, we have

$$1487 \times 327 + (-487) \times 327 = 486249 - 159249$$

Since the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

$$= 327000$$

(ii) Given  $28945 \times 99 - (-28945)$

By using the rule of multiplication of integers, we have

$$28945 \times 99 - (-28945) = 2865555 + 28945$$

Since the product of two integers of like signs is equal to the product of their absolute values.

$$= 2894500$$

**4. Complete the following multiplication table:**

**Second number**

	x	-4	-3	-2	-1	0	1	2	3	4
<b>First number</b>										

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

-4

-3

-2

-1

0

1

2

3

4

**Is the multiplication table symmetrical about the diagonal joining the upper left corner to the lower right corner?**

**Solution:**

Second number

First number	x	-4	-3	-2	-1	0	1	2	3	4
-4	16	12	8	4	0	-4	-8	-12	-16	
-3	12	9	6	3	0	-3	-6	-9	-12	
-2	8	6	4	2	0	-2	-4	-6	-8	
-1	4	3	2	1	0	-1	-2	-3	-4	
0	0	0	0	0	0	0	0	0	0	
1	-4	-3	-2	-1	0	1	2	3	4	
2	-8	-6	-4	-2	0	2	4	6	8	
3	-12	-9	-6	-3	0	3	6	9	12	
4	-16	-12	-8	-4	0	4	8	12	16	

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

From the table it is clear that, the table is symmetrical about the diagonal joining the upper left corner to the lower right corner.

**5. Determine the integer whose product with '-1' is**

**(i) 58**

**(ii) 0**

**(iii) -225**

**Solution:**

(i) Given 58

Here we have to find the integer which is multiplied by -1

We get,  $58 \times -1 = -58$

Since the product of two integers of opposite signs is equal to the additive inverse of the product of their absolute values.

(ii) Given 0

Here we have to find the integer which is multiplied by -1

We get,  $0 \times -1 = 0$  [because anything multiplied with 0 we get 0 as their result]

(iii) Given -225

Here we have to find the integer which is multiplied by -1

We get,  $-225 \times -1 = 225$

Since the product of two integers of like signs is equal to the product of their absolute values.

---

Exercise 1.2 Page No: 1.8

**1. Divide:**

**(i) 102 by 17**

**(ii) -85 by 5**

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

(iii) -161 by -23

(iv) 76 by -19

(v) 17654 by -17654

(vi) (-729) by (-27)

(vii) 21590 by -10

(viii) 0 by -135

**Solution:**

(i) Given 102 by 17

We can write given question as  $102 \div 17$

$$102 \div 17 = |102/17| = |102|/|17| \text{ [by applying the mod]}$$

$$= 102/17 = 6$$

(ii) Given -85 by 5

We can write given question as  $-85 \div 5$

$$-85 \div 5 = |-85/5| = |-85|/|5| \text{ [by applying the mod]}$$

$$= -85/5 = -17$$

(iii) Given -161 by -23

We can write given question as  $-161 \div -23$

$$-161 \div -23 = |-161/-23| = |-161|/|-23| \text{ [by applying the mod]}$$

$$= 161/23 = 7$$

(iv) Given 76 by -19

We can write given question as  $76 \div -19$

$$76 \div -19 = |76/-19| = |76|/|-19| \text{ [by applying the mod]}$$

$$= 76/-19 = -4$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

(v) Given 17654 by -17654

We can write given question as  $17654 \div -17654$

$$\begin{aligned} 17654 \div -17654 &= |17654/-17654| = |17654|/|-17654| \text{ [by applying the mod]} \\ &= 17654/-17654 = -1 \end{aligned}$$

(vi) Given (-729) by (-27)

We can write given question as  $(-729) \div (-27)$

$$\begin{aligned} (-729) \div (-27) &= |-729/-27| = |-729|/|-27| \text{ [by applying the mod]} \\ &= 729/27 = 27 \end{aligned}$$

(vii) Given 21590 by -10

We can write given question as  $21590 \div -10$

$$\begin{aligned} 21590 \div -10 &= |21590/-10| = |21590|/|-10| \text{ [by applying the mod]} \\ &= 21590/-10 = -2159 \end{aligned}$$

(viii) Given 0 by -135

We can write given question as  $0 \div -135$

$$0 \div -135 = 0 \text{ [because anything divided by 0 we get the result as 0]}$$

---

Exercise 1.3 Page No: 1.9

**Find the value of**

**1.  $36 \div 6 + 3$**

**Solution:**

Given  $36 \div 6 + 3$

According to BODMAS rule we have to operate division first then we have to do addition

Therefore  $36 \div 6 + 3 = 6 + 3 = 9$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>



**2.  $24 + 15 \div 3$**

**Solution:**

Given  $24 + 15 \div 3$

According to BODMAS rule we have to operate division first then we have to do addition

Therefore  $24 + 15 \div 3 = 24 + 5 = 29$

**3.  $120 - 20 \div 4$**

**Solution:**

Given  $120 - 20 \div 4$

According to BODMAS rule we have to operate division first then we have to do subtraction

Therefore  $120 - 20 \div 4 = 120 - 5 = 115$

**4.  $32 - (3 \times 5) + 4$**

**Solution:**

Given  $32 - (3 \times 5) + 4$

According to BODMAS rule we have to operate in brackets first then move to addition and subtraction.

Therefore  $32 - (3 \times 5) + 4 = 32 - 15 + 4$

$= 32 - 11 = 21$

**5.  $3 - (5 - 6 \div 3)$**

**Solution:**

Given  $3 - (5 - 6 \div 3)$

According to BODMAS rule we have to operate in brackets first then we have move to subtraction.

Therefore  $3 - (5 - 6 \div 3) = 3 - (5 - 2)$

$= 3 - 3 = 0$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

**6.  $21 - 12 \div 3 \times 2$**

**Solution:**

Given  $21 - 12 \div 3 \times 2$

According to BODMAS rule we have to perform division first then move to multiplication and subtraction.

Therefore,  $21 - 12 \div 3 \times 2 = 21 - 4 \times 2$

$= 21 - 8 = 13$

**7.  $16 + 8 \div 4 - 2 \times 3$**

**Solution:**

Given  $16 + 8 \div 4 - 2 \times 3$

According to BODMAS rule we have to perform division first followed by multiplication, addition and subtraction.

Therefore,  $16 + 8 \div 4 - 2 \times 3 = 16 + 2 - 2 \times 3$

$= 16 + 2 - 6$

$= 18 - 6$

$= 12$

**8.  $28 - 5 \times 6 + 2$**

**Solution:**

Given  $28 - 5 \times 6 + 2$

According to BODMAS rule we have to perform multiplication first followed by addition and subtraction.

Therefore,  $28 - 5 \times 6 + 2 = 28 - 30 + 2$

$= 28 - 28 = 0$

**9.  $(-20) \times (-1) + (-28) \div 7$**

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

**Solution:**

$$\text{Given } (-20) \times (-1) + (-28) \div 7$$

According to BODMAS rule we have to perform division first followed by multiplication, addition and subtraction.

$$\text{Therefore, } (-20) \times (-1) + (-28) \div 7 = (-20) \times (-1) - 4$$

$$= 20 - 4 = 16$$

**10.  $(-2) + (-8) \div (-4)$**

**Solution:**

$$\text{Given } (-2) + (-8) \div (-4)$$

According to BODMAS rule we have to perform division first followed by addition and subtraction.

$$\text{Therefore, } (-2) + (-8) \div (-4) = (-2) + 2$$

$$= 0$$

**11.  $(-15) + 4 \div (5 - 3)$**

**Solution:**

$$\text{Given } (-15) + 4 \div (5 - 3)$$

According to BODMAS rule we have to perform division first followed by addition and subtraction.

$$\text{Therefore, } (-15) + 4 \div (5 - 3) = (-15) + 4 \div 2$$

$$= -15 + 2$$

$$= -13$$

**12.  $(-40) \times (-1) + (-28) \div 7$**

**Solution:**

$$\text{Given } (-40) \times (-1) + (-28) \div 7$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

According to BODMAS rule we have to perform division first followed by multiplication, addition and subtraction.

$$(-40) \times (-1) + (-28) \div 7 = (-40) \times (-1) - 4$$

$$= 40 - 4$$

$$= 36$$

**13.  $(-3) + (-8) \div (-4) - 2 \times (-2)$**

**Solution:**

Given  $(-3) + (-8) \div (-4) - 2 \times (-2)$

According to BODMAS rule we have to perform division first followed by multiplication, addition and subtraction.

$$(-3) + (-8) \div (-4) - 2 \times (-2) = -3 + 2 - 2 \times (-2)$$

$$= -3 + 2 + 4$$

$$= 6 - 3$$

$$= 3$$

**14.  $(-3) \times (-4) \div (-2) + (-1)$**

**Solution:**

Given  $(-3) \times (-4) \div (-2) + (-1)$

According to BODMAS rule we have to perform division first followed by multiplication, addition and subtraction.

$$(-3) \times (-4) \div (-2) + (-1) = -3 \times 2 - 1$$

$$= -6 - 1$$

$$= -7$$

---

Exercise 1.4 Page No: 1.12

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

**Simplify each of the following:**

1.  $3 - (5 - 6 \div 3)$

**Solution:**

Given  $3 - (5 - 6 \div 3)$

According to removal of bracket rule firstly remove inner most bracket

We get  $3 - (5 - 6 \div 3) = 3 - (5 - 2)$

$= 3 - 3$

$= 0$

2.  $-25 + 14 \div (5 - 3)$

**Solution:**

Given  $-25 + 14 \div (5 - 3)$

According to removal of bracket rule firstly remove inner most bracket

We get  $-25 + 14 \div (5 - 3) = -25 + 14 \div 2$

$= -25 + 7$

$= -18$

3.  $25 - \frac{1}{2} \{5 + 4 - (3 + 2 - \overline{1 + 3})\}$

**Solution:**

Given  $25 - \frac{1}{2} \{5 + 4 - (3 + 2 - \overline{1 + 3})\}$

**Solution:**

$$3. 25 - \frac{1}{2} \{5 + 4 - (3 + 2 - \overline{1 + 3})\}$$

Solution:

$$\text{Given } 25 - \frac{1}{2} \{5 + 4 - (3 + 2 - \overline{1 + 3})\}$$

According to removal of bracket rule first we have to remove vinculum we get

$$= 25 - \frac{1}{2} \{5 + 4 - (5 - 4)\}$$

Now by removing the innermost bracket we get

$$= 25 - \frac{1}{2} \{5 + 4 - 1\}$$

By removing the parentheses we get

$$= 25 - \frac{1}{2} (8)$$

Now simplifying we get

$$= 25 - 4$$

$$= 21$$

$$4. 27 - [38 - \{46 - (15 - \overline{13 - 2})\}]$$

Solution:

$$\text{Given } 27 - [38 - \{46 - (15 - \overline{13 - 2})\}]$$

**Solution:**

$$4. 27 - [38 - \{46 - (15 - \overline{13 - 2})\}]$$

Solution:

$$\text{Given } 27 - [38 - \{46 - (15 - \overline{13 - 2})\}]$$

According to removal of bracket rule first we have to remove vinculum we get

$$= 27 - [38 - \{46 - (15 - 11)\}]$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

Now by removing inner most bracket we get

$$= 27 - [38 - \{46 - 4\}]$$

By removing the parentheses we get

$$= 27 - [38 - 42]$$

Now by removing braces we get

$$= 27 - (-4)$$

$$= 27 + 4$$

$$= 31$$

$$5. 36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$$

Solution:

$$\text{Given } 36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$$

**Solution:**

$$5. 36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$$

Solution:

$$\text{Given } 36 - [18 - \{14 - (15 - 4 \div 2 \times 2)\}]$$

By removing innermost bracket we get

$$= 36 - [18 - \{14 - (11 \div 2 \times 2)\}]$$

$$= 36 - [18 - \{14 - 11\}]$$

Now by removing the parentheses we get

$$= 36 - [18 - 3]$$

Now remove the braces we get

$$= 36 - 15$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

$$= 21$$

$$6. 45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$$

**Solution:**

$$\text{Given } 45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$$

First remove the inner most brackets

$$= 45 - [38 - \{20 - (6 - 3) \div 3\}]$$

$$= 45 - [38 - \{20 - 3 \div 3\}]$$

Now remove the parentheses we get

$$= 45 - [38 - 19]$$

Now remove the braces we get

$$= 45 - 19$$

$$= 26$$

$$7. 23 - [23 - \{23 - (23 - \overline{23 - 23})\}]$$

**Solution:**

$$\text{Given } 23 - [23 - \{23 - (23 - \overline{23 - 23})\}]$$

**Solution:**

$$7. 23 - [23 - \{23 - (23 - \overline{23 - 23})\}]$$

**Solution:**

$$\text{Given } 23 - [23 - \{23 - (23 - \overline{23 - 23})\}]$$

Now first remove the vinculum we get

$$= 23 - [23 - \{23 - (23 - 0)\}]$$

Now remove the innermost bracket we get,

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>



$$= 23 - [23 - \{23 - 23\}]$$

By removing the parentheses we get,

$$= 23 - [23 - 0]$$

Now we have to remove the braces and on simplifying we get,

$$= 23 - 23$$

$$= 0$$

$$8. 2550 - [510 - \{270 - (90 - \overline{80 + 70})\}]$$

Solution:

$$\text{Given } 2550 - [510 - \{270 - (90 - \overline{80 + 70})\}]$$

**Solution:**

$$8. 2550 - [510 - \{270 - (90 - \overline{80 + 70})\}]$$

Solution:

$$\text{Given } 2550 - [510 - \{270 - (90 - \overline{80 + 70})\}]$$

First we have to remove the vinculum from the given equation we get,

$$= 2550 - [510 - \{270 - (90 - 150)\}]$$

We get,

$$= 2550 - [510 - \{270 - (-60)\}]$$

$$= 2550 - [510 - \{270 + 60\}]$$

Now remove the parentheses we get,

$$= 2550 - [510 - 330]$$

Now we have to remove braces

$$= 2550 - 180$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

= 2370

$$9. 4 + \frac{1}{5} [\{-10 \times (25 - \overline{13 - 3})\} \div (-5)]$$

Solution:

Given

$$4 + \frac{1}{5} [\{-10 \times (25 - \overline{13 - 3})\} \div (-5)]$$

**Solution:**

$$9. 4 + \frac{1}{5} [\{-10 \times (25 - \overline{13 - 3})\} \div (-5)]$$

Solution:

Given

$$4 + \frac{1}{5} [\{-10 \times (25 - \overline{13 - 3})\} \div (-5)]$$

First we have to remove vinculum from the given equation,

$$= 4 + 1/5 [\{-10 \times (25 - 10)\} \div (-5)]$$

Now remove the innermost bracket, we get

$$= 4 + 1/5 [\{-10 \times 15\} \div -5]$$

Now by removing the parentheses we get,

$$= 4 + 1/5 [-150 \div -5]$$

By removing the braces we get,

$$= 4 + 1/5 (30)$$

On simplifying we get,

$$= 4 + 6$$

$$= 10$$

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

$$10. 22 - \frac{1}{4} \{-5 - (-48) \div (-16)\}$$

Solution:

$$\text{Given } 22 - \frac{1}{4} \{-5 - (-48) \div (-16)\}$$

**Solution:**

$$10. 22 - \frac{1}{4} \{-5 - (-48) \div (-16)\}$$

Solution:

$$\text{Given } 22 - \frac{1}{4} \{-5 - (-48) \div (-16)\}$$

Now we have to remove innermost bracket

$$= 22 - \frac{1}{4} \{-5 - (-48 \div -16)\}$$

After removing innermost bracket

$$= 22 - \frac{1}{4} \{-5 - 3\}$$

Now remove the parentheses we get

$$= 22 - \frac{1}{4} (-8)$$

On simplifying we get,

$$= 22 + 2$$

$$= 24$$

$$11. 63 - [(-3) \{-2 - \overline{8 - 3}\}] \div [3 \{5 + (-2)(-1)\}]$$

Solution:

$$\text{Given } 63 - [(-3) \{-2 - \overline{8 - 3}\}] \div [3 \{5 + (-2)(-1)\}]$$

**Solution:**

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

$$11. 63 - [(-3) \{-2 - \overline{8 - 3}\}] \div [3 \{5 + (-2)(-1)\}]$$

Solution:

$$\text{Given } 63 - [(-3) \{-2 - \overline{8 - 3}\}] \div [3 \{5 + (-2)(-1)\}]$$

First we have to remove vinculum from the given equation then we get,

$$= 63 - [(-3) \{-2 - 5\}] \div [3 \{5 + 2\}]$$

Now remove the parentheses from the above equation

$$= 63 - [(-3)(-7)] \div [3(7)]$$

$$= 63 - [21] \div [21]$$

$$= 63 - 1$$

$$= 62$$

$$12. [29 - (-2) \{6 - (7 - 3)\}] \div [3 \times \{5 + (-3) \times (-2)\}]$$

Solution:

$$\text{Given } [29 - (-2) \{6 - (7 - 3)\}] \div [3 \times \{5 + (-3) \times (-2)\}]$$

**Solution:**

$$12. [29 - (-2) \{6 - (7 - 3)\}] \div [3 \times \{5 + (-3) \times (-2)\}]$$

Solution:

$$\text{Given } [29 - (-2) \{6 - (7 - 3)\}] \div [3 \times \{5 + (-3) \times (-2)\}]$$

First we have to remove the innermost brackets then we get,

$$= [29 - (-2) \{6 - 4\}] \div [3 \times \{5 + 6\}]$$

Now remove the parentheses in the above equation,

$$= [29 + 2(2)] \div [3 \times 11]$$

Now remove all braces present in the above equation,

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

$$= 33 \div 33$$

$$= 1$$

**13. Using brackets, write a mathematical expression for each of the following:**

**(i) Nine multiplied by the sum of two and five.**

**(ii) Twelve divided by the sum of one and three.**

**(iii) Twenty divided by the difference of seven and two.**

**(iv) Eight subtracted from the product of two and three.**

**(v) Forty divided by one more than the sum of nine and ten.**

**(vi) Two multiplied by one less than the difference of nineteen and six.**

**Solution:**

(i)  $9(2 + 5)$

(ii)  $12 \div (1 + 3)$

(iii)  $20 \div (7 - 2)$

(iv)  $2 \times 3 - 8$

(v)  $40 \div [1 + (9 + 10)]$

(vi)  $2 \times [(19 - 6) - 1]$



# Chapterwise RD Sharma Solutions for Class 7 Maths :

- Chapter 1–Integers
- Chapter 2–Fractions
- Chapter 3–Decimals
- Chapter 4–Rational Numbers
- Chapter 5–Operations On Rational Numbers
- Chapter 6–Exponents
- Chapter 7–Algebraic Expressions
- Chapter 8–Linear Equations in One Variable
- Chapter 9–Ratio And Proportion
- Chapter 10–Unitary Method
- Chapter 11–Percentage
- Chapter 12–Profit And Loss
- Chapter 13–Simple Interest
- Chapter 14–Lines And Angles
- Chapter 15–Properties of Triangles
- Chapter 16–Congruence
- Chapter 17–Constructions
- Chapter 18–Symmetry
- Chapter 19–Visualising Solid Shapes
- Chapter 20–Mensuration - I (Perimeter and area of rectilinear figures)
- Chapter 21–Mensuration - II (Area of Circle)
- Chapter 22–Data Handling - I (Collection and Organisation of Data)
- Chapter 23–Data Handling - II Central Values
- Chapter 24–Data Handling - III (Constructions of Bar Graphs)
- Chapter 25–Data Handling - IV (Probability)

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>

# About RD Sharma

*RD Sharma isn't the kind of author you'd bump into at lit fests. But his bestselling books have helped many CBSE students lose their dread of maths. Sunday Times profiles the tutor turned internet star*

He dreams of algorithms that would give most people nightmares. And, spends every waking hour thinking of ways to explain concepts like 'series solution of linear differential equations'. Meet Dr Ravi Dutt Sharma — mathematics teacher and author of 25 reference books — whose name evokes as much awe as the subject he teaches. And though students have used his thick tomes for the last 31 years to ace the dreaded maths exam, it's only recently that a spoof video turned the tutor into a YouTube star.

R D Sharma had a good laugh but said he shared little with his on-screen persona except for the love for maths. "I like to spend all my time thinking and writing about maths problems. I find it relaxing," he says. When he is not writing books explaining mathematical concepts for classes 6 to 12 and engineering students, Sharma is busy dispensing his duty as vice-principal and head of department of science and humanities at Delhi government's Guru Nanak Dev Institute of Technology.

<https://www.indcareer.com/schools/rd-sharma-solutions-for-class-7-maths-chapter-1-integers/>