



MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

WHOLE NUMBERS

Example

1. Write the successor and predecessor of

(i) 1000.

(ii) 1005399.

(iii) 999999.



[Watch Video Solution](#)

2. Find the sum of 645, 287 and 413.

A. 1300

B. 1245

C. 1345

D. 1289

Answer: C

 [Watch Video Solution](#)

3. Find the sum by suitable rearrangement:

(i) $847 + 306 + 453$

(ii) $1852 + 653 + 1648 + 547$

 [Watch Video Solution](#)

4. Find the sum:

(i) $3678 + 999$

(ii) $34876 + 9999$



[Watch Video Solution](#)

5. Multiply 197 by 54.



[Watch Video Solution](#)

6. Multiply 2056 by 87.

A. 178872

B. 181772

C. 205600

D. None of these

Answer: A



[Watch Video Solution](#)

7. Multiply 1572 by 123.



Watch Video Solution

8. Find the product: 785×94 .

A. 78500

B. 737900

C. 73790

D. 78594

Answer: C



Watch Video Solution

9. Find the value of $968 \times 73 + 968 \times 27$.

A. 9680

B. 96800

C. 968

D. 78650

Answer: B



[Watch Video Solution](#)

10. Find the value of $1063 \times 127 - 1063 \times 27$.

A. 106390

B. 106300

C. 106800

D. 105300

Answer: B



[Watch Video Solution](#)

11. Find the value of $893648 + 8937 \times 122 + 8937 \times 230$.



[Watch Video Solution](#)

12. Find the product: $4 \times 2995 \times 250$.

A. 29950000

B. 299500

C. 2995000

D. 29950

Answer: C



[Watch Video Solution](#)

13. Find the product $37256 \times 25 \times 40$.

A. 37256000

B. 372560

C. 372560000

D. None of these

Answer: A



[Watch Video Solution](#)

14. Find the product(i) 30674×9 (ii) 4578×99 (iii) 23756×999



[Watch Video Solution](#)

15. Find the number which when divided by 53 gives 8 as quotient and 5 as remainder.



[Watch Video Solution](#)

16. Divide 535 by 31 and check the result by the division algorithm.



[Watch Video Solution](#)

17. Divide 53068 by 257 and check the result by the division algorithm.



[Watch Video Solution](#)

Exercise 3 A

1. Write the next three whole numbers after 30999.



[Watch Video Solution](#)

2. Write the three whole numbers occurring just before 10001.



[Watch Video Solution](#)

3. How many whole numbers are there between 1032 and 1209?



[Watch Video Solution](#)

4. Which is the smallest whole number?

A. 1

B. -1

C. 0

D. not defined

Answer: C



[Watch Video Solution](#)

5. Write the successor of.

(i) 2540801.

(ii) 9999.

(iii) 50904.

(iv) 61639.

(v) 687890.

(vi) 5386700.

(vii) 6475999.

(viii) 9999999.



[Watch Video Solution](#)

6. Write the predecessor of

(i) 97

(ii) 10000

(iii) 36900.

(iv) 7684320

(v) 2456800

(vi) 100000.

(viii) 1000000.



[Watch Video Solution](#)

7. Write down three consecutive whole numbers just preceding 7510001.



[Watch Video Solution](#)

Exercise 3 A True T And False F

1. Which of the following statements are true (T) and which are false (F)?

- (a) Zero is the smallest natural number.
- (b) 400 is the predecessor of 399.
- (c) Zero is the smallest whole number.
- (d) 600 is the successor of 599.
- (e) All natural numbers are whole numbers



[Watch Video Solution](#)

2. What is the smallest whole number?

- A. 0
- B. 1
- C. 2

D. 3

Answer: A



Watch Video Solution

3. Every whole number is a natural number?

A. True

B. False

C. Cannot determine

D. None of these

Answer: B



Watch Video Solution

4. Every natural number is a whole number?

A. True

B. False

C. Cannot determine

D. None of these

Answer: A



[Watch Video Solution](#)

5. 1 is the smallest whole number.

A. TRUE

B. FALSE

C. Cannot be determined

D. None of these

Answer: A



[Watch Video Solution](#)

6. The natural number 1 has no predecessor.

A. True

B. False

C. Cannot be determined

D. None of these

Answer: A



Watch Video Solution

7. The whole number 1 has no predecessor.

A. true

B. false

C. cannot be determined

D. none of the above

Answer: B



Watch Video Solution

8. The whole number 0 has no predecessor.

A. True

B. False

C. Cannot be determined

D. None of the above

Answer: A



Watch Video Solution

9. The predecessor of a two-digit number is never a single-digit number.

A. True

B. False

C. Cannot be determined

D. None of the above

Answer: B



[Watch Video Solution](#)

10. The successor of a two-digit number is always a two-digit number.

A. true

B. false

C. cannot be determined

D. none of these

Answer: B



[Watch Video Solution](#)

11. 500 is the predecessor of 499.

A. True

B. False

C. Cannot be determined

D. None of these

Answer: B



Watch Video Solution

12. 7000 is the successor of 6999.

A. True

B. False

C. Cannot be determined

D. None of these

Answer: A



[Watch Video Solution](#)

Exercise 3 B Fill In The Blanks

1. (i) $458 + 639 = 639 + \dots\dots$

(ii) $864 + 2006 = 2006 + \dots\dots$

(iii) $1946 + \dots\dots = 984 + 1946$

(iv) $8063 + 0 = \dots\dots$

(v) $5350 + (574 + 799) = 574 + (5350 + \dots\dots)$



[Watch Video Solution](#)

Exercise 3 B

1. Add the following numbers and check by reversing the order of the addends:

(i) $16509 + 114$

(ii) $2359 + 548$

(iii) $19753 + 2867$



[Watch Video Solution](#)

2. Find the sum: $(1546 + 498) + 3589$.

Also, find the sum: $1546 + (498 + 3589)$.

Are the two sums equal?

State the property satisfied.



[Watch Video Solution](#)

3. Determine the sums given below using suitable rearrangement.

(i) $953 + 707 + 647$

(ii) $1983 + 647 + 217 + 353$

(iii) $15409 + 278 + 691 + 422$

(iv) $3259 + 10001 + 2641 + 9999$

(v) $1 + 2 + 3 + 4 + 96 + 97 + 98 + 99$

(vi) $2 + 3 + 4 + 5 + 45 + 46 + 47 + 48$



[Watch Video Solution](#)

4. Find the sum by short method:

(i) $6784 + 9999$

(ii) $10578 + 99999$



[Watch Video Solution](#)

5. For any whole numbers a, b, c is it true that $(a + b) + c = a + (c + b)$

? Give reasons.

A. No, by associative and commutative laws of subtraction

B. Yes, by associative and commutative laws of multiplication

C. Yes, by associative and commutative laws of addition

D. None of these

Answer: C



Watch Video Solution

6. Complete each one of the following magic squares by supplying the missing numbers:

(i)

	9	2
	5	
8		

(ii)

16	2	
	10	
		4

(iii)

2	15	16	
9	12		
		7	10
14			17

(iv)

	18	17	4
		14	11
	9	10	
19			16



Watch Video Solution

1. The sum of two odd numbers is an odd number.

A. F

B. T

C. Not determine

D. None of these

Answer: A



[Watch Video Solution](#)

2. The sum of two even number is an even number.

A. F

B. T

C. Not determine

D. None of these

Answer: B

 [Watch Video Solution](#)

3. The sum of an even number and an odd number is an odd number.

 [Watch Video Solution](#)

Exercise 3 C

1. Perform the following subtractions. Check your results by the corresponding additions.

(i) $6237 - 694$

(ii) $21205 - 10899$

(iii) $100000 - 78987$

(iv) $1010101 - 656565$

 [Watch Video Solution](#)

2. Replace each * by the correct digit :

$$\begin{array}{r} 917 \\ (i) \quad - *5* \\ \hline \end{array}$$

$$\begin{array}{r} 5*8 \\ 6172 \end{array}$$

$$(ii) \quad - **69$$

$$29**$$

$$5001003$$

$$(iii) \quad - **6987$$

$$484****$$

$$1000000$$

$$(iv) \quad - ****1$$

$$*7042*$$



Watch Video Solution

3. Find the difference:

(i) $463 - 9$

(ii) $5632 - 99$

(iii) $8640 - 999$

(iv) $13006 - 9999$



Watch Video Solution

4. Find the difference between the smallest number of 7 digits and the largest number of 4 digits.



[Watch Video Solution](#)

5. Ravi opened his account in a bank by depositing *Rs.* 136000. Next day he withdrew *Rs.* 73129 from it. How much money was left in his account?

A. *Rs.* 62870

B. *Rs.* 62871

C. *Rs.* 62872

D. *Rs.* 62878

Answer: B



[Watch Video Solution](#)

6. Mrs Saxena withdrew Rs. 100000 from her bank account. She purchased a TV set for Rs. 38750, a refrigerator for Rs. 23890 and jewelry worth Rs. 35560. How much money was left with her?

A. *Rs.* 1800

B. *Rs.* 1802

C. *Rs.* 1804

D. *Rs.* 1810

Answer: A



Watch Video Solution

7. The population of a town was 110500. In one year it increased by 3608 due to new births. However, 8973 persons died or left the town during the year. What was the population at the end of the year?

A. 105135

B. 105139

C. 105130

D. 105145

Answer: A

 [Watch Video Solution](#)

8. Find the whole number n when:

(i) $n + 4 = 9$

(ii) $n + 35 = 101$

(iii) $n - 18 = 39$

(iv) $n - 20568 = 21403$

 [Watch Video Solution](#)

Exercise 3 D Fill In The Blanks

1. (i) $246 \times 1 = \dots\dots\dots$

(ii) $1369 \times 0 = \dots\dots\dots$

(iii) $593 \times 188 = 188 \times \dots\dots$

(iv) $286 \times 753 = \dots\dots \times 286$

(v) $38 \times (91 \times 37) = \dots\dots \times (38 \times 37)$

(vi) $13 \times 100 \times \dots\dots\dots = 1300000$

(vii) $59 \times 66 + 59 \times 34 = 59 \times (\dots\dots + \dots\dots)$

(viii) $68 \times 95 = 68 \times 100 - 68 \times \dots\dots\dots$



[Watch Video Solution](#)

Exercise 3 D

1. State the property used in each of the following statements:

(i) $19 \times 17 = 17 \times 19$

(ii) (16×32) is a whole number

(iii) $(29 \times 36) \times 18 = 29 \times (36 \times 18)$

(iv) $1480 \times 1 = 1480$

(v) $1732 \times 0 = 0$

(vi) $72 \times 98 + 72 \times 2 = 72 \times (98 + 2)$

(vii) $63 \times 126 - 63 \times 26 = 63 \times (126 - 26)$



[Watch Video Solution](#)

2. Find the value of the following using various properties:

(i) $647 \times 13 + 647 \times 7$

(ii) $9870 \times 561 - 9870 \times 461$

(iii) $569 \times 17 + 569 \times 13 + 569 \times 70$



[Watch Video Solution](#)

3. Determine the products by suitable rearrangements:

(i) $2 \times 1658 \times 50$

(ii) $4 \times 927 \times 25$

(iii) $625 \times 20 \times 8 \times 50$

(iv) $574 \times 625 \times 16$

(v) $250 \times 60 \times 50 \times 8$

(vi) $8 \times 125 \times 40 \times 25$



[Watch Video Solution](#)

4. Find the products, using distributive laws: (i) 740×105

(ii) 245×1008

(iii) 947×96

(iv) 996×367

(v) 472×1097

(vi) 580×64

(vii) 439×997

(viii) 1553×198



[Watch Video Solution](#)

5. Find the products, using distributive laws: (i) 3576×9

(ii) 847×99

(iii) 2437×999



Watch Video Solution

6. Find the products:

$$(i) \begin{array}{r} 458 \\ \times 67 \\ \hline \end{array}$$

$$(ii) \begin{array}{r} 3709 \\ \times 89 \\ \hline \end{array}$$

$$(iii) \begin{array}{r} 4617 \\ \times 234 \\ \hline \end{array}$$

$$(iv) \begin{array}{r} 15208 \\ \times 542 \\ \hline \end{array}$$



Watch Video Solution

7. Find the product of the largest 3-digit number and the largest 5-digit number.

A. 99899002

B. 99899000

C. 99899001

D. 99899003

Answer: C



[Watch Video Solution](#)

8. A car moves at a uniform speed of 75km per hour. How much distance will it cover in 98 hours?

A. 7351km

B. 7350km

C. 7354km

D. 7360km

Answer: B



[Watch Video Solution](#)

9. A dealer purchased 139 VCRs. If the cost of each set is $\text{Rs. } 24350$, find the cost of all the sets together.

A. *Rs.* 3384650

B. *Rs.* 3322650

C. *Rs.* 3468330

D. *Rs.* 3323150

Answer: A

 [Watch Video Solution](#)

10. A housing society constructed 197 houses. If the cost of construction for each house is *Rs.* 450000, what is the total cost for all the houses?

 [Watch Video Solution](#)

11. 50 chairs and 30 blackboards were purchased for a school. If each chair costs *Rs.* 1065 and each blackboard costs *Rs.* 1645, find the total amount of the bill.

A. *Rs.* 103900

B. *Rs.* 102900

C. *Rs.* 102600

D. *Rs.* 112900

Answer: C



Watch Video Solution

12. There are six sections of Class *VI* in a school and there are 45 students in each section. If the monthly charges from each student be *Rs.* 1650, find the total monthly collection from Class *VI*.

A. *Rs.* 445300

B. *Rs.* 445500

C. *Rs.* 425500

D. *Rs.* 475500

Answer: B

 [Watch Video Solution](#)

13. The product of two whole numbers is zero. What do you conclude?

 [Watch Video Solution](#)

Exercise 3 D Fill In The Blanks

1. (i) Sum of two odd numbers is an number.

(ii) Product of two odd numbers is an number.

 [Watch Video Solution](#)

2. $a \neq 0$ and $a \times a = a \Rightarrow a = ?$

 [Watch Video Solution](#)

Exercise 3 E

1. Divide and check your answer by the corresponding multiplication:

(i) $1936 \div 16$

(ii) $19881 \div 47$

(iii) $257796 \div 341$

(iv) $612846 \div 582$

(v) $34419 \div 149$

(vi) $39039 \div 1001$



[Watch Video Solution](#)

2. Divide, and find out the quotient and remainder. Check your answer.

(i) $6971 \div 47$

(ii) $4178 \div 35$

(iii) $36195 \div 153$

(iv) $93575 \div 400$

(v) $23025 \div 1000$

(iv) $16135 \div 875$



[Watch Video Solution](#)

3. Find the value of .

(i) $65007 \div 1$

(ii) $0 \div 879$

(iii) $981 + 5720 \div 10$

(iv) $1507 - (625 \div 25)$

(v) $32277 \div (648 - 39)$

(vi) $(1573 \div 1573) - (1573 \div 1573)$



[Watch Video Solution](#)

4. Find a whole number n such that $n \div n = n$.



[Watch Video Solution](#)

5. The product of two numbers is 504347. If one of the numbers is 317.

find the other.

A. 1601

B. 1568

C. 1221

D. 1591

Answer: D



[Watch Video Solution](#)

6. On dividing 59761 by a certain number , the quotient is 189 and the remainder is 37. Find the divisor.

A. 322

B. 316

C. 206

D. 346

Answer: B

 [Watch Video Solution](#)

7. On dividing 55390 by 299, the remainder is 75. Find the quotient using the division algorithm.

 [Watch Video Solution](#)

8. What least number must be subtracted from 13601 to get a number exactly divisible by 87?

 [Watch Video Solution](#)

9. What least number must be added to 1056 to get a number exactly divisible by 23?

A. 21

B. 8

C. 2

D. 9

Answer: C



[Watch Video Solution](#)

10. Find the largest 4-digit number divisible by 16.



[Watch Video Solution](#)

11. Divide the largest 5 digit number by 653. Check your answer by the division algorithm.



[Watch Video Solution](#)

12. Find the least 6-digit number exactly divisible by 83.



Watch Video Solution

13. 1 dozen bananas cost Rs. 29. How many dozens can be purchased for Rs. 1392?



Watch Video Solution

14. 19625 trees have been equally planted in 157 rows. Find the number of trees in each row.



Watch Video Solution

15. The population of a town is 517530. If one out of every 15 is reported to be literate, find how many literate persons are there in the town.



Watch Video Solution

16. The cost price of 23 colour television sets is Rs. 570055. Determine the cost price of each TV set if each costs the same.



[Watch Video Solution](#)

Exercise 3 F Objective Questions

1. The smallest whole number is

A. 1

B. 0

C. 2

D. none of these

Answer: B



[Watch Video Solution](#)

2. The least number of 4 digits which is exactly divisible by 9 is

A. 1018

B. 1026

C. 1009

D. 1008

Answer: D



[Watch Video Solution](#)

3. The largest number of 6 digits which is exactly divisible by 6 is

A. 999980

B. 999982

C. 999984

D. 999964

Answer: C



[Watch Video Solution](#)

4. What least number should be subtracted from 10004 to get a number exactly divisible by 12?

A. 4

B. 6

C. 8

D. 20

Answer: C



[Watch Video Solution](#)

5. What least number should be added to 10056 to get a number exactly divisible by 23?

A. 5

B. 18

C. 13

D. 10

Answer: B



[Watch Video Solution](#)

6. What whole number is nearest to 457 which is divisible by 11?

A. 450

B. 451

C. 460

D. 462

Answer: D



[Watch Video Solution](#)

7. How many whole numbers are there between 1018 and 1203?

A. 185

B. 186

C. 184

D. none of these

Answer: C



Watch Video Solution

8. A number when divided by 46 gives 11 as quotient and 15 as remainder.

The number is

A. 491

B. 521

C. 701

D. 679

Answer: B



[Watch Video Solution](#)

9. In a division sum, we have dividend = 199, quotient = 16 and remainder = 7. The divisor is

A. 11

B. 23

C. 12

D. none of these

Answer: C



[Watch Video Solution](#)

10. $7589 - ? = 3434$

A. 11023

B. 4245

C. 4155

D. none of these

Answer: C



[Watch Video Solution](#)

11. $587 \times 99 = ?$

A. 57213

B. 58513

C. 58113

D. 56413

Answer: C



Watch Video Solution

12. $4 \times 538 \times 25 = ?$

A. 32280

B. 26900

C. 53800

D. 10760

Answer: C



Watch Video Solution

13. $24679 \times 92 + 24679 \times 8 = ?$

A. 4, 93, 580

B. 12, 33, 950

C. 24, 67, 900

D. none of these

Answer: C



[Watch Video Solution](#)

14. $1625 \times 1625 - 1625 \times 625 = ?$

A. 1625000

B. 162500

C. 325000

D. 812500

Answer: A



[Watch Video Solution](#)

15. $1568 \times 185 - 1568 \times 85 = ?$

A. 7840

B. 15680

C. 156800

D. none of these

Answer: C



[Watch Video Solution](#)

16. $(888 + 777 + 555) = (111 \times ?)$

A. 120

B. 280

C. 20

D. 140

Answer: C



Watch Video Solution

17. The sum of two odd numbers is

- A. an odd number
- B. an even number
- C. a prime number
- D. a multiple of 3

Answer: B



Watch Video Solution

18. The product of two odd numbers is

- A. an odd number

- B. an even number
- C. a prime number
- D. none of these

Answer: A



[Watch Video Solution](#)

19. If a is a whole number such that $a + a = a$, then $a = ?$

- A. 1
- B. 0
- C. 3
- D. none of these

Answer: B



[Watch Video Solution](#)

20. The predecessor of 10000 is

A. 10001

B. 9999

C. 0

D. none of these

Answer: B



Watch Video Solution

21. The successor of 1001 is

A. 1000

B. 1002

C. 0

D. none of these

Answer: B



[Watch Video Solution](#)

22. The smallest even whole number is

A. 0

B. 2

C. 1

D. none of these

Answer: A



[Watch Video Solution](#)

Test Paper

1. How many whole numbers are there between 1064 and 1201?



Watch Video Solution

2. Fill in the blanks.

$$\begin{array}{r} 1000000 \\ - \quad * * * * 1 \\ \hline * 7042 * \end{array}$$



Watch Video Solution

3. Use distributive law to find the value of $1063 \times 128 - 1063 \times 28$

A. 106200

B. 106300

C. 106100

D. 106400

Answer: B



Watch Video Solution

4. Find the product of the largest 5-digit number and the largest 3-digit number using distributive law.

 [Watch Video Solution](#)

5. Divide 53968 by 267 and check the result by the division algorithm.

 [Watch Video Solution](#)

6. Find the largest 6-digit number divisible by 16.

 [Watch Video Solution](#)

7. The cost price of 23 TV sets Rs. 570055. Find the cost of each such set.

 [Watch Video Solution](#)

8. What least number must be subtracted from 13801 to get a number exactly divisible by 87?

 [Watch Video Solution](#)

9. Match the following columns on whole numbers:

Column A

(a) $137 + 63 = 63 + 137$

(b) (16×25) is a whole number

(c) $365 \times 18 = 18 \times 365$

(d) $(86 \times 14) \times 25 = 86 \times (14 \times 25)$

(e) $23 \times (80 + 5) = (23 \times 80) + (23 \times 5)$

Column B

(i) Associativity of multiplication

(ii) Commutativity of multiplication

(iii) Distributive law of multiplication over addition

(iv) Commutativity of addition

(v) Closure property for multiplication

 [Watch Video Solution](#)

Test Paper Objective Questions

1. The value of $(89 \times 76 + 89 \times 24)$ is

A. 890

B. 8900

C. 89000

D. 10420

Answer: B



[Watch Video Solution](#)

2. On dividing a number by 53 we get 8 as quotient and 5 as remainder.

The number is

A. 419

B. 423

C. 429

D. none of these

Answer: C



[Watch Video Solution](#)

3. The whole number which has no predecessor is

A. 1

B. 0

C. 2

D. none of these

Answer: B



[Watch Video Solution](#)

4. $67 + 33 = 33 + 67$ is an example of

A. closure property

B. associative property

C. commutative property

D. distributive property

Answer: C



Watch Video Solution

5. Additive inverse of 36 is

A. $\frac{1}{36}$

B. 0

C. 36

D. none of these

Answer: c



Watch Video Solution

6. Which of the following is not zero?

A. 0×0

B. $\frac{0}{2}$

C. $\frac{(8 - 8)}{2}$

D. $2 + 0$

Answer: D



[Watch Video Solution](#)

7. The predecessor of the smallest 3-digit number is

A. 999

B. 100

C. 101

D. 99

Answer: D



[Watch Video Solution](#)

8. The number of whole numbers between the smallest whole number and the greatest 2-digit number is

A. 88

B. 98

C. 99

D. 101

Answer: C



[Watch Video Solution](#)

Test Paper Fill In The Blanks

1. The smallest natural number is



[Watch Video Solution](#)

2. The smallest whole number is



[Watch Video Solution](#)

3. Division by is not defined.

A. 1

B. 2

C. 0

D. 10

Answer: C



[Watch Video Solution](#)

4. is a whole number which is not a natural number.



[Watch Video Solution](#)

5. is the multiplicative identity in whole numbers.

A. 1

B. 2

C. 0

D. None of the above

Answer: A



[Watch Video Solution](#)

Test Paper True And False

1. 0 is the smallest natural number.



[Watch Video Solution](#)

2. Every natural number is a whole number.



[Watch Video Solution](#)

3. Every whole number is a natural number.



[Watch Video Solution](#)

4. 1 has no predecessor in whole numbers.



[Watch Video Solution](#)