



MATHS

NCERT - NCERT MATHS(TELUGU)

WHOLE NUMBERS



1. Are all natural numbers are whole numbers?

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2. Are all whole numbers are natural numbers?



3. Find by using number line: what number should be reduced from 8 to

get 5?





11. A whole number on the left of anther number on the number line, is

greater: (True/false)



12. We can't show the smallest whole number on the number line: (True/false)

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13. How many whole numbers are there between 27 and 46?

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14. Find using number line: 6 + 7 + 7



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18. State which whole number on the number line is on the right of the

other number: 1001,10001

19. State which whole number on the number line is on the right of the

other number: 10015678,284013





too.

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26. Find out $12 \div 3$ and $42 \div 7$

27. What would $6 \div 0$ and $9 \div 0$



28. Verify
$$(3 imes 7) imes 5 = 3 imes (7 imes 5)$$

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29. Use the commutative and associative property to simplify: 2 imes (71 imes 5)

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30. Use the commutative and associative property to simplify: (50 imes 17) imes 2

31. Find 25 imes 78 using distributive property



34. Take a few examples and check whether-

Subtraction is commutative for whole numbers or not?

35. Take a few examples and check whether division is commutative for

whole numbers or not?



36. Give the result without performing the operations using the given

information. 28 imes 19 = 532 then 19 imes 28___

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37. Give the result without performing the operations using the given

information. 1 imes 47 = 47 then 46 imes 1



38. Give the result without performing the operations using the given

information. 58 + 42 = 100 then 42 + 58 =



39. Give the result without performing the operations using the given

information. 85 + 0 = 85 then 0 + 85

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40. Give the result without performing the operations using the given

information. a + b = d then b + a

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41. Find the sum by suitable rearrangement: 238 + 695 + 162

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42. Find the sum by suitable rearrangement: 154 + 197 + 46 + 203





47. A milk vendor supplies 56 litres of milk in the morning and 44 litres of milk in the evening to a hostel. If the milk costs ₹30 per litre, how much money he gets per day?



48. Chandana and venu purchased 12 note books and 10 books respectively. The cost of each note book is ₹15, then how much amount should they pay for the shopkeeper?



49. Which numbers can be shown as a line only?



50. Which of the following number of dots can be shown as rectangles?

A. 9			
B. 7			
C. 5			
D. 6			

Answer:



51. Which numbers can be shown as squares?

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52. Which numbers can be shown as triangles?



57. Represent 9-5 on a number line.

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58. Represent $4 imes 3$ on a number line.
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59. How many whole numbers are there between 6 and 29?
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60. Which of the following numbers lie on the right side of the other
number on a number: 30541,21503,49812,49659
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65. The predecessor of 0 in whole number____



from_to___

70. Find by using number line: what number should be reduced from 8 to

get 5?

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71. Find by using line: what numbers should be added to 6 to get 8?

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72. Find by using number line: what number should br deducted from 6

to get 1?

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73. Find by using number line: how many 6 are needed to get 30?



74. Take a few examples and check whether subtraction is commutative

for whole numbers or not?

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75. Take a few examples and check whether division is commutative for

whole numbers or not?

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76. Which number can be shown as a line only?

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77. Which numbers can be shown as rectangles?









91. Subtract 9 - 2 - 3 using number line.

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92. Multiply $5 imes 3$ by using number line.	
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93. Find $173+256+27$ using properties.	
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94. Find $5 \times 9 \times 2 \times 2 \times 3 \times 5$ using properties.

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95. Find 18×120 using distributive property.



100. $5 \times 3 \times 0$ =.....



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103. (3 + 4) + 5=.....

104.
$$2 \times (71 \times 5)$$
=.....



109. Number of whole numbers between 4 and 5 is_



112. the set of whole numbers is denoted by__

A. W

B. N

C. Q

Answer:



113. Set of natural numbers is denoted by-

A. Z

B.Q

C. W

D. N

Answer:



114. Fill in the blanks : $N \cup \{0\}$ =

A. P		
B.Z		
C. W		
D. N		

Answer:

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115. Fill in the blanks : The least Whole number is

A. 3

B. 0

C. 1

D. 7

Answer:

116. The least natural number is____



117. is called the additive identity.

A. 3

B. 4

C. 1

D. 0

Answer:



118. How many 6 are needed to get 30?

A. 1			
B. 3			
C. 5			
D. 4			

Answer:







124. $a \times 1$ =__

A. 1

В. -а

C. a

D. 1/a

Answer:



125. 1	× 8 -	- 1=
A. 9	9	
В	4	
C. 1	3	
D.	1	

Answer:



126. Division by zero is......

A. 0

B. 1

C. 2

D. Not defined.

Answer:

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Example

1. Find 196+57+4.



2. Find 5 imes 9 imes 2 imes 2 imes 3 imes 5

3. Find 12 imes 70 using distributive property.


3. Show these on number line:

5-3



4. Show these on number line:

3+5

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6. Find out $18 \div 3$ and $63 \div 7$





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10. simplify the following:

319+69+81

11. simplify the following:

431 + 37 + 69 + 63

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12. simplify the following:

2 imes(71 imes5)

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13. simplify the following:

50 imes 17 imes 2



18. Show these on number line:



22. సరిచూపండి.
$$(5 imes 6) imes 2=5 imes (6 imes 2)$$



23. Verify the following:

(3 imes7) imes5=3 imes(7 imes5)

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24. Use the commutative and associative properties to simplify the

following:

319 + 69 + 81

25. Use the commutative and associative property to simplify the following

431 + 37 + 69 + 63

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26. Use the commutative and associative properties to simplify the following:

2 imes(71 imes5)

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27. Use the commutative and associative properties to simplify the

following:

50 imes 17 imes 2



Your subtractions may be like this:



4. Are the whole numbers closed under division?

Now observer this table

6	÷	3	=	2, a whole number
5	÷	2	=	$\frac{5}{2}$ is not a whole number
	÷		=	
	÷		=	

Confirm it by taking few more examples.



5. Is $(16 \div 4) \div 2 = 16 \div (4 \div 2)$?

Is there any associative property for division?

Check if the property holds for subtraction of whole numbers too.



8. Are the whole numbers closed under subtraction?

Your subtractions may be like this:



9. Are the whole numbers closed under division?

Now observer this table

6	÷	3	=	2, a whole number
5	÷	2	=	$\frac{5}{2}$ is not a whole number
	÷		=	
	÷		=	

Confirm it by taking few more examples.



10. Is $(8 \div 2) \div 4 = 8 \div (2 \div 4)$? Is there any associated property for division? Check if the property holds for subtraction of whole numbers too.





What number should be added to 6 to get 8?



7. Which numbers can be shown as a line only? Watch Video Solution 8. Which numbers can be shown as rectangles? Watch Video Solution 9. Which numbers can be shown as squares? Watch Video Solution 10. Which numbers can be shown as triangles? eg. 3, 6, Watch Video Solution



14. How many 6 are needed to get 30?



18. Which numbers can be shown as rectangles?



2. Which of the statements are true (T) and which are false (F). Correct

the false statements

Zero is the smallest whole number.



4. Which of the statements are true (T) and which are false (F). Correct

the false statements

A whole number that lies on the number line lies to the right side of

another number is the greater number



5. Which of the statements are true (T) and which are false (F). Correct

the false statements

A whole number on the left of another number on the number line, is greater

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6. Which of the statements are true (T) and which are false (F). Correct

the false statements

We can't show the smallest whole number on the number line

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7. Which of the statements are true (T) and which are false (F). Correct the

false statements

We can show the greatest whole number on the number line

8. How many whole numbers are there between 27 and 46?



11. Find the following using number line.

3 imes 5

12. In each pair, state which whole number on the number line is on the

right of the other number. I)895,239

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13. In each pair, state which whole number on the number line is on the

right of the other number 1001,10001

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14. State which whole number on the number line is on the right of the

other number: 10015678,284013

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15. Mark the smallest whole number on the number line.



19. Choose the appropriate symbol from

10. . . . 5

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20. Place the successor of 11 and predecessor of 5 on the number line

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Exercise 2 2

1. Give the results without actually performing the operations using the

given information:

28 imes 19 = 532 then 19 imes 28 =



given information:

1 imes 47 = 47 then 47 imes 1 =



3. Give the results without actually performing the operations using the given information:

•

a imes b = c then b imes a =



4. Give the results without actually performing the operations using the

given information:

58+42=100 then 42+58=

5. Give the results without actually performing the operations using the given information:

85 + 0 = 85 then 0 + 85 =



6. Give the results without actually performing the operations using the given information:

$$a+b=d$$
 then $b+a=$

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7. Find the sum by suitable rearrangement:

236 + 695 + 164

8. Find the sum by suitable rearrangement:

157 + 195 + 43 + 205

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9. Find the product by suitable rearrangement.

 $25\times1963\times4$

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10. Find the product by suitable rearrangement.

 $20\times255\times50\times3$



11. Find the value of the following:

368 imes 12 + 18 imes 368



12. Find the value of the following:

 $79\times4319+4319\times11$

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13. Find the product using suitable properties:

 205×1989

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14. Find the product using suitable properties:

 1990×1005

15. A milk vendor supplies 56 litres of milk in the morning and 44 litres of milk in the evening to a hostel. If the milk costs ₹30 per litre, how much money he gets per day?

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16. Ramu and seetha purchased 15 note books and 10 note books respectively. The cost of each note book is Rs 15, then how much amount should they pay to the shop keeper?

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17. Match the following:

- 1991 + 7 = 7 + 1991i.
- \ddot{n} 68×50 = 50×68
- **ii**. 1
- iv. 0
- $879 \times (100+30) = 879 \times 100 + 879 \times 30$ [] e. Commutative under multiplication v.
- [] a. Additive identity

ſ

- [] b. Multiplicative identity
- [] c. Commutative under addition
 -] d. Distributive property of multiplication over addition

1. Study the pattern:

- 1 imes 8+1=9
- 12 imes 8 + 2 = 98
- $123\times8+3=987$
- $1234 \times 8 + 4 = 9876$
- 12345 imes 8 + 5 = 98765

Write the next four steps. Can you find out how the pattern works?

- 2. Study the pattern:
- 91 imes 11 imes 1 = 1001
- 91 imes 11 imes 2 = 2002
- 91 imes 11 imes 3 = 3003

Write next seven steps. Check, whether the result is correct.
Try the pattern for $143 imes7 imes1, 143 imes7 imes2\dots$
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3. How would you multiply the numbers 13680347,357023569 and
25692359 with 9 mentally? What is the pattern that emerges?
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Examples
1. Find 196+57+4.
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2. Find $5 imes 9 imes 2 imes 2 imes 3 imes 5$
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3. Find 12×75 using distributive property.

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Exercise 2 1 Which Of The Statements Are True T And Which Are False F Correct The False Statements
1. There is natural number that has no predecessor: (True/false)
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2. Zero is the smallest whole number:(True/false)

3. Which of the statements are true (T) and which are false (F). Correct

the false statements

All whole numbers are natural numbers.

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4. A whole number that lies on the number line lies to the right side of another number is the greater number.

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5. Which of the statements are true (T) and which are false (F). Correct

the false statements

A whole number on the left of another number on the number line, is

greater



the false statements

We can't show the smallest whole number on the number line

Watch Video Solution 7. Write the True and False. Correct the false statements:- We can show the greatest whole number on the number line. Watch Video Solution Exercise 21 1. How many whole numbers are there between 27 and 46? Watch Video Solution

2. Find the following using number line.

3 imes 5



5. In each pair, state which whole number on the number line is on the

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6. In each pair, state which whole number on the number line is on the right of the other number 1001,10001

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7. State which whole number on the number line is on the right of the

other number: 10015678,284013



8. Mark the smallest whole number on the number line.


13. Place the successor of 11 and predecessor of 5 on the number line.



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2. Give the results without actually performing the operations using the given information:

1 imes 47 = 47 then 47 imes 1 =

3. Give the results without actually performing the operations using the given information:

a imes b = c then b imes a =

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4. Give the results without actually performing the operations using the

given information:

58+42=100 then 42+58=

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5. Give the results without actually performing the operations using the

given information:

85+0=85 then 0+85=

6. Give the results without actually performing the operations using the

given information:

a+b=d then b+a=

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9. Find the product by suitable rearrangement.

25 imes 1963 imes 4

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10. Find the product by suitable rearrangement.

 $20\times255\times50\times6$

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11. Find the value of the following:

 $368\times12+18\times368$

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12. Find the value of the following:

 $79\times4319+4319\times11$





16. Ramu and seetha purchased 15 note books and 10 note books respectively. The cost of each note book is Rs 15, then how much amount should they pay to the shop keeper?



- [] d. Distributive proper
- ${
 m (v)} \ \ 879 imes (100+30) = 879 imes 100 + 879 imes 30 \ \ [\] e. \ {
 m Commutative under }$

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(iv) 0

1. Study the pattern:

 $1\times 8+1=9$

12 imes 8 + 2 = 98

123 imes 8 + 3 = 987

 $1234 \times 8 + 4 = 9876$

 $12345 \times 8 + 5 = 98765$

Write the next four steps. Can you find out how the pattern works?

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