



IITJEE Foundation Practice paper

## WHOLE NUMBERS

class-6-Mathematics    Number of Questions: 64

For Answers and Solutions, Go to [www.micromerits.com](http://www.micromerits.com)

**1**

Write the next three natural numbers after 8999.

- 9000, 9001, 9002     8998, 8997, 8996     9000, 9002, 9003     8999, 9000, 9001

**2**

Write the three whole numbers occurring just before 7999.

- 7999, 7989, 7979     7999, 8000, 8001     7998, 7997, 7996     7999, 7998, 7997

**3**

Which is the smallest whole number?

- 1     0     2     none

**4**

How many whole numbers are there from 12 to 25?

- 12     14     13     15

**5**

Choose the successor of 673463

- 673453     673464     673473     673563

**6**

Choose the successor of 1199999

- 11,99,998    11,99,997    12,00,000    12,00,001

**7**

Choose the predecessor of 71

- 72    70    61    71

**8**

Choose the predecessor of 39,976

- 39,966    39,876    39,975    39,977

**9**

State whether the following statement is true or false:

The natural number 1 has no predecessor.

- True    False

**10**

State whether the following statement is true or false:

The whole number 1 has no predecessor.

- True    False

**11**

State whether the following statement is true or false:

Zero is the smallest natural number.

- True    False

**12**

State whether the following statement is true or false:

345 is the predecessor of 344.

- True    False

**13**

State whether the following statement is true or false:

Zero is the smallest whole number.

- True    False

**14**

State whether the following statement is true or false:  
610 is the successor of 609

True  False

**15**

State whether the following statement is true or false:  
All whole numbers are natural numbers

True  False

**16**

State whether the following statement is true or false:  
All natural numbers are whole numbers

True  False

**17**

State whether the following statement is true or false:  
The whole number 0 has no predecessor.

True  False

**18**

State whether the following statement is true or false:  
The successor of a two digit number is always a two digit number.

True  False

**19**

State whether the following statement is true or false:  
The predecessor of a two digit number is never a single digit number.

True  False

**20**

State whether the following statement is true or false:  
1 is the smallest whole number.

True  False

**21**

In the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also place the appropriate sign ( $>$ ,  $<$ ) between them.

245, 254

- 254  $>$  245 ; 245 is on the right side of 254 on the number line
- 254  $<$  245 ; 245 is on the left side of 254 on the number line
- 254  $>$  245 ; 245 is on the left side of 254 on the number line
- 254  $<$  245 ; 245 is on the right side of 254 on the number line

**22**

In the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also place the appropriate sign ( $>$ ,  $<$ ) between them.

56789, 56798

- 56789  $<$  56798 ; 56789 is on the right side of 56798 on the number line
- 56789  $>$  56798 ; 56789 is on the left side of 56798 on the number line
- 56789  $<$  56798 ; 56789 is on the left side of 56798 on the number line
- 56789  $>$  56798 ; 56789 is on the right side of 56798 on the number line

**23**

In the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also place the appropriate sign ( $>$ ,  $<$ ) between them.

1215, 1205

- 1215  $>$  1205 ; 1205 is on the left side of 1215 on the number line
- 1215  $<$  1205 ; 1205 is on the left side of 1215 on the number line
- 1215  $>$  1205 ; 1215 is on the left side of 1205 on the number line
- 1215  $<$  1205 ; 1215 is on the left side of 1205 on the number line

**24**

In the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also place the appropriate sign ( $>$ ,  $<$ ) between them.

9830415, 9803415

- 9830415  $>$  9803415; 9830415 is on the left side of 9803415 on the number line
- 9830415  $<$  9803415 ; 9803415 is on the left side of 9830415 on the number line
- 9830415  $>$  9803415; 9803415 is on the left side of 9830415 on the number line
- 9830415  $>$  9803415; 9830415 is on the left side of 9803415 on the number line

**25**

Find the product by suitable rearrangement :

$$2 \times 1345 \times 50$$

- 13,450    1,34,500    1,345    13,45,000

**26**

Find the product by suitable rearrangement :

$$4 \times 234 \times 25$$

- 2,34,000    2,340    23,400    234

**27**

Find the product by suitable rearrangement :

$$8 \times 161 \times 125$$

- 1,61,000    16,000    16,100    1,60,000

**28**

Find the product by suitable rearrangement :

$$625 \times 424 \times 16$$

- 4,24,000    42,400    42,40,000    42,000

**29**

Find the product by suitable rearrangement :

$$315 \times 5 \times 60$$

- 95,400    94,500    95,000    94,000

**30**

Find the product by suitable rearrangement :

$$250 \times 8 \times 40 \times 125$$

- 1,00,00,000    10,00,000    1,00,000    10,000

**31**

Find the value of the following :

$$78965 \times 91 + 9 \times 78965$$

- 78,95,600    7,89,65,000    78,96,500    78,69,500

**32**

Find the value of the following :

$$34521 \times 131 - 34521 \times 31$$

- 34,52,000    34,52,200    34,25,100    34,52,100

**33**

Find the value of the following :

$$3845 \times 5 \times 782 + 769 \times 25 \times 218$$

- 1,92,25,000    1,95,30,000    1,95,15,000    1,92,20,000

**34**

Find the value of the following :

$$786 \times 17 + 786 \times 3$$

- 7860    15720    7860    15270

**35**

Find the product using suitable properties :

$$560 \times 103$$

- 57,860    56,680    57,680    57000

**36**

Find the product using suitable properties :

$$1224 \times 102$$

- 1,42,848    1,24,488    1,24,884    1,24,848

**37**

Find the product using suitable properties :

$$343 \times 1008$$

- 3,47,544    3,54,744    3,45,744    3,45,474

**38**

Find the product using suitable properties :

$$1009 \times 711$$

- 7,17,993    7,17,939    7,17,399    7,71,399

**39**

A cab driver had filled his car with 51 litres of petrol on Sunday. The next day, he filled it with 43 litres of petrol. If petrol costs Rs.34 per litre, how much did the driver spend in all on petrol?

- Rs.3169    Rs.3196    Rs.3916    Rs.3190

**40**

A pharmaceutical company supplied 64 boxes of medicines to a medical shop on 15th April and 70 boxes of medicines on 18th April . If each box has Rs.1000 worth medicines, how much does the medical shop owner have to pay the pharmaceutical company totally?

- Rs.1,43,000    Rs.1,30,000    Rs.1,40,000    Rs.1,34,000

**41**

Nisha walks for 21 days, covering a distance of 13 km each day. Chethan walks for 39 days, covering a distance of 7 km each day.

Who do you think covered a larger distance?

- Nisha    Chethan    Both have covered the same distance

**42**

In an orchard, there are four mango trees and thirteen orange trees. How many trees will be there in 20 such orchards?

- 300 trees    320 trees    315 trees    340 trees

**43**

Which of the following does not represent zero?

- $5 + 0$      $3 \times 0$      $\frac{0}{9}$      $\frac{12-12}{2}$

**44**

If the product of two whole numbers is zero, can we say that one or both of them will be zero?

- Yes    No    Cannot be determined  
 The product of two whole numbers can never be zero

**45**

Find the difference between the smallest number of 6 digits and the largest number of 5 digits .

- 0    11111    1    10000

**46**

If the product of two whole numbers is 1, can we say that one or both of them will be 1?

- At least one of the numbers must be 1.    Both the numbers must be 1.  
 It is not necessary for either of them to be 1.    Cannot be determined

**47**

Which expression does not have the same value as the expression  $9 \times (4 + 44)$  ?

- $9 \times 48$      $9 \times 4 + 9 \times 44$      $9 \times 4 + 44$      $36 \times 12$

**48**

The value of  $200 \times 4 \times 0 \times 15$  is

- 1200    12000    120000    0

**49**

Find using distributive property :  
 $118 \times 101$

- 11,198    11,918    11,981    11,818

**50**

Find using distributive property :  
 $2130 \times 1001$

- 21,32,130    21,30,130    21,32,000    21,32,310

**51**

Find using distributive property :  
 $232 \times 25$

- 5,000    5,800    8,500    8,000



**52**

Find using distributive property :

$$3,555 \times 125$$

- 4,44,075    4,44,300    4,44,357    4,44,375

**53**

Find using distributive property :

$$504 \times 45$$

- 22,860    22,680    22,600    22,800

**54**

Name the property of the following :

$$12 \times 31 = 31 \times 12$$

- Commutative property of multiplication    Associative property of multiplication  
 Distributive property of addition over multiplication  
 Distributive property of multiplication over addition

**55**

Which of the following properties has been used here?

$$320 \times 112 = 320 \times (2 + 10 + 100)$$

- Commutativity under multiplication    Commutativity under addition  
 Distributivity of multiplication over addition    none

**56**

Name the suitable property for the following:

$$2 \times 21 \times 50 = 2 \times 50 \times 21$$

- Distributivity of multiplication over addition    Commutativity under addition  
 Commutativity under multiplication    Distributivity of multiplication over interchange

**57**

Name the suitable property for the following:

$$70 + 1200 + 30 = 70 + 30 + 1200$$

- Commutativity under multiplication    Commutativity under addition  
 Distributivity of multiplication over addition  
 Distributivity of addition over multiplication

**58**

$221 \times 15 = (221 \times 10) + (221 \times 5)$  This mathematical equation represents :

- Commutative property of multiplication    Associative property of multiplication  
 Distributive property of addition over multiplication  
 Distributive property of multiplication over addition

**59**

What should be present in this blank space?

$5100 + 123 = \underline{\hspace{2cm}} + 5100$

- 0    123    5100    321

**60**

Choose the suitable answer:

$300507 + 0 = \underline{\hspace{2cm}}$

- 300507    300508    300506    0

**61**

Fill in the blanks to make the following a true statement.

$23890 + (121 + 421) = (\underline{\hspace{2cm}} + 121) + 421$

- 121    421    23890    0

**62**

The population of a village is 2100. If there are 543 men and 724 women, find the number of children.

- 850    900    1000    833

**63**

Akash borrowed an English novel from the library which had 1078 pages. He read 235 pages on the first three days. If he reads 179 pages on the fourth day, how many pages would remain unread ?

- 664    616    600    650

**64**

Arun works at a call centre. This is how much he worked during the week:

Sunday: Off

Monday: 6 hrs

Tuesday: 4 hrs

Wednesday: 7 hrs

Thursday: 2 hrs

Friday: 1 hrs

Saturday: 4 hrs

If he is paid Rs.40 per hour, how much has he earned in this week ?

Find the answer using distributive property.

- 
- Rs.900    Rs.960    Rs.1060    Rs.1160

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