

IITJEE Foundation Practice paper

**KNOWING OUR NUMBERS**

class-6-Mathematics    Number of Questions: 68

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

**1**

In 8206, what number is in the hundreds place?

- 8    2    0    6

**2**

In 4315, which place is '1' in?

- Units    Tens    Hundreds    Thousands

**3**

In 37001, which place is '7' in?

- Tens    Hundreds    Thousands    Ten thousands

**4**

Which place is the '3' in 32,694?

- Tens    Hundreds    Thousands    Ten thousands

**5**

In 178, what digit is in the hundredth place?

- 1    7    8    This number does not have a hundreds place.

**6**

In 13445, what digit is in the ten thousands place ?

- 1    5    3    4

**7**

What is the place value of the underlined digit?

49460

- 40    400    4000    40000

**8**

What is the face value of the underlined digit?

23413

- 1    100    1000    10

**9**

In 7124, in which place is the '7'?

- Units    Tens    Hundreds    Thousands

**10**

What is the face value of the underlined digit?

13542

- 5    50    500    5000

**11**

What is the place value of the underlined digit?

84162

- 80    800    8000    80,000

**12**

Write the following words in numerals, in the Indian number system using commas :

Four crore sixty five lakh seventy two thousand three hundred twelve.

- 4,65,72,312    4,65,27,312    4,65,72,321    4,56,37,312

**13**

Write the following words in numerals, in the Indian number system using commas :

Fifty seven crore eighty three lakh twenty eight thousand one hundred seventy one

- 57,83,82,171    57,83,28,171    57,88,23,171    57,88,82,171

**14**

Write the following words in numerals, in the Indian number system using commas :

Fifty two thousand nine hundred fifty eight

- 59,258    52,985    52,958    59,598

**15**

Write the following words in numerals, in the Indian number system using commas :

Fifty nine thousand seven hundred forty two

- 59,472    59,742    59,724    54,972

**16**

Write the following words in numerals, in the Indian number system using commas :

Three thousand six hundred fifty four

- 3,645    3,456    3,654    3,564

**17**

Write the following words in numerals, in the Indian number system using commas :

Sixty eight crore ninety five lakh fifty six thousand four hundred thirteen

- 68,59,56,413    68,95,56,413    68,96,55,413    69,85,56,413

**18**

Write the following words in numerals, in the Indian number system using commas :

Three lakh seventy four thousand three hundred twelve

- 3,47,312    3,74,312    3,74,212    3,43,712

**19**

Write the following words in numerals, in the International number system using commas :

Ninety six million five hundred seventy two thousand three hundred eleven

- 96,257,311    69,572,311    96,527,311    96,572,311

**20**

Write the following words in numerals, in the International number system using commas:

Thirteen million fifteen

- 1,30,00,015    1,300,015    13,000,105    13,000,015

**21**

Write the following words in numerals, in the International number system using commas:

Six hundred seventy eight million three hundred twenty eight one hundred seventy four

- 678,238,714    678,382,174    687,238,174    678,328,174

**22**

Write the following words in numerals, in the International number system using commas:

Five hundred eighty nine million five hundred fifty six thousand two hundred twelve

- 589,556,122    589,565,212    589,556,212    589,546,212

**23**

Find the greatest and smallest numbers among the following set of numbers :

482, 49020, 20, 54769, 767

- 54769 is the greatest and 767 is the smallest  
 49020 is the greatest and 20 is the smallest  
 54769 is the greatest and 20 is the smallest  
 49020 is the greatest and 482 is the smallest

**24**

Find the greatest and smallest among the following set of numbers :  
2054, 79367, 103, 54720, 570, 14

- 79367 is the greatest, 14 is the smallest     79367 is the greatest, 103 is smallest  
 54720 is the greatest, 14 is the smallest     54720 is the greatest, 103 is the smallest

**25**

Use the given digits without repetition and make the greatest and the smallest four digit numbers :

2, 7, 6, 3

- Greatest number = 7632 ; Smallest number = 2367  
 Greatest number = 7623 ; Smallest number = 3267  
 Greatest number = 7623 ; Smallest number = 2367  
 Greatest number = 7632 ; Smallest number = 3267

**26**

Use the given digits without repetition and make the greatest and the smallest four digit numbers :

8, 4, 2, 9

- Greatest number = 9842 ; Smallest number = 2489  
 Greatest number = 9482 ; Smallest number = 2498  
 Greatest number = 9824 ; Smallest number = 2489  
 Greatest number = 9842 ; Smallest number = 2498

**27**

Make the greatest and the smallest four digit numbers by using any one digit twice.

3, 8, 9

- Greatest number = 9893 ; Smallest number = 3398  
 Greatest number = 8993 ; Smallest number = 3998  
 Greatest number = 9983 ; Smallest number = 3389  
 Greatest number = 8939 ; Smallest number = 3398

**28**

Make the greatest and the smallest four digit numbers by using any one digit twice.

8, 2, 4

- Greatest number = 8824 ; Smallest number = 2248  
 Greatest number = 8842 ; Smallest number = 2284

- Greatest number = 8842 ; Smallest number = 2248
- Greatest number = 8824 ; Smallest number = 2284

**29**

Make the greatest and the smallest four digit numbers by using any one digit twice.

5, 9, 1

- Greatest number = 9951 ; Smallest number = 1195
- Greatest number = 9951 ; Smallest number = 1159
- Greatest number = 9551 ; Smallest number = 1559
- Greatest number = 9915 ; Smallest number = 1519

**30**

Make the greatest and the smallest four digit numbers by using any one digit twice.

8, 5, 0

- Greatest number = 8580 ; Smallest number = 5508
- Greatest number = 8850 ; Smallest number = 5008
- Greatest number = 8850 ; Smallest number = 0085
- Greatest number = 8005 ; Smallest number = 5508

**31**

Arrange the following numbers in the ascending order :

8470, 9725, 8554, 3600

- 8470, 3600 , 9725, 8554
- 3600, 8554, 8470, 9725
- 8470, 3600, 8554, 9725
- 3600, 8470, 8554, 9725

**32**

Arrange the following in ascending order :

36581, 37833, 25571, 9768

- 9768, 36581, 37833, 25571
- 9768, 25571, 36581, 37833
- 9768, 25571, 37833, 36581
- 9768, 37833, 25571, 36581

**33**

Arrange the following in ascending order :

736, 8603, 7210, 465

- 736, 465, 7210, 8603
- 465, 736, 8603, 7210
- 736, 7210, 8603, 465
- 465, 736, 7210, 8603

**34**

Arrange the following in descending order :

947, 8735, 6354, 720

- 8735, 6354, 720, 947    8735, 947, 6354, 720    8735, 6354, 947, 720  
 8735, 720, 6354, 947

**35**

Arrange the following in descending order :

948, 67628, 861, 8543

- 67628, 8543, 948, 861    861, 948, 8543, 67628    67628, 8543, 861, 948  
 67628, 948, 8543, 861

**36**

Which is greater 12 cm or 24 mm?

- 12 cm    10 mm    Both are equal in magnitude.  
 We cannot compare, since one number is in cm and the other is in mm.

**37**

There was a concert held in the city. The number of tickets sold at the counter on the first, second, third and final day were 2194, 1612, 1780 and 666 respectively. Find the total number of tickets sold altogether.

- 6251    6250    6253    6252

**38**

Prajay is a famous cricket player. He has so far scored 6,890 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need to hit his target?

- 3000    3110    2110    2100

**39**

In a local election, the successful candidate secured 6,23,100 votes and his nearest rival secured 4,12,300 votes. By what margin did the successful candidate win the election?

- 2,09,800    2,10,080    2,10,800    2,01,800

**40**

A bookstore sold books worth Rs.4,00,789 in the first week of June and books worth Rs.7,50,232 in the second week of the month. How much was the sale for the two weeks together?

- 11,51,012    11,51,021    11,51,201    11,15,021

**41**

Find the difference between the greatest and the least number that can be formed using the digits 6, 2, 1, 4, 9, with each digit used only once.

- 89352    83952    83925    83592

**42**

A hardware factory on an average manufactures 2,015 bolts a day. In that case, how many bolts would the factory manufacture in the month of March?

- 60450    62465    58435    56420

**43**

Karthika had Rs.35,521 with her. She placed an order for 5 phone sets, each costing Rs.5550 . How much money will remain with her after the purchase?

- Rs.7,996    Rs.7,771    Rs.7,717    Rs.7,770

**44**

In an exam, the question was: '  $1450 \times 54$  '

A student read '54' as '45'

What is the difference between the right answer and the answer obtained by him?

Was his answer greater/less than the actual answer?



- Lesser than the right answer by 13500    Greater than the right answer by 13050  
 Greater than the right answer by 13500    Lesser than the right answer by 13050

**45**

A 2 m 15 cm cloth is needed to stitch a shirt. How many proper shirts can be stitched using a 60 m cloth? And also, how much cloth will remain?

- 27 shirts can be made, no cloth will remain  
 27 shirts can be made, 90 cm cloth will remain  
 27 shirts can be made, 130 cm cloth will remain  
 27 shirts can be made, 10 cm cloth will remain

**46**

The distance between Kevin's school and his house is 1 km 945 m. He walks to and fro everyday. Find the total distance he would have walked in four days.

- 51.56 km    15.65 km    15.56 km    20 km

**47**

A vessel has 5 litres and 250 ml of juice. In how many glasses, each of 50 ml capacity; can it be filled?

- 105 glasses    150 glasses    125 glasses    120 glasses

**48**

Round off 9,849 to the nearest thousands

- 9,000    1,000    10,000    9,900

**49**

Round off 2274 to the nearest thousands

- 3000    2000    1000    2500

**50**

Estimate  $4,205 + 17,696$

- 24,000    21,000    22,000    20,000

**51**

Estimate  $6,431 - 683$

- 5,700    5,400    6,300    6,400

**52**

Estimate the following :

$68 \times 557$

- 36,500    35,000    39,200    30,000

**53**

Estimate the following :

$997 \times 486$

- 3,60,000    4,00,000    5,00,000    4,50,000

**54**

Estimate the quotient for the following :

$91 \div 32$

- 4    5    2    3

**55**

Estimate the quotient for the following :

$6578 \div 588$

- 10    11    12    9

**56**

What number does this roman numeral represent ?

XX ?

- 22  16  20  19

57

What number does this roman numeral represent ?

XLII

- 32  42  52  38

58

What number does this roman numeral represent ?

XI

- 12  10  11  60

59

What number does this roman numeral represent ?

LXVI

- 56  66  46  55

60

What number does this roman numeral represent ?

XLIX

- 79  49  59  71

61

How would you write 548 as a Roman numeral :

- DXLVIII  DXCXLVIII  CDCXXVIII  DLXVIII

62

How would you write 900 as a Roman numeral :

- DCXCC  CM  CDDXC  MC

**63**

How would you write 65 as a Roman numeral :

- LXXV  LXV  LLX  LVX

**64**

How would you write 850 as a Roman numeral :

- DCV  DCCCL  DCVL  DCCL

**65**

Write the expressions for the following :

Divide the difference of seventeen and six by two

- $(17 \div 6) \times 2$    $(17 - 6) \div 2$    $(17 + 6) \div 2$    $(17 - 2) \div 6$

**66**

Write the expressions for the following :

Thirty seven divided by four times the sum of seven and one

- $37 + 4 \times (1 + 7)$    $37 \times 4 \div (7 + 1)$    $37 \div 4 \times (7 + 1)$    $37 \times 4 \div (7 - 1)$

**67**

Which is the greater number between the two?

46823 or 43832

- 43832  46823  Both are equal

**68**

Choose the correct answer

- A)  $13589 < 10320$   
B)  $6230 = 6203$   
C)  $4458 < 4558$   
D)  $1035 > 1235$

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