

Class: 6
Subject: Mathematics
Topic: Knowing our numbers
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

Q1. 1 million= _____lakh

- a) 10 b) 100 c) 1000 d) 1

Solution: a) 10

[Hint: fact]

Q.2 How many times does the digit 9 occur between 1 and 100?

- a) 11 b) 15 c) 18 d) 20

Solution: d) 20

[Explanation: The numbers are 9, 19, 29, 39, 49, 59, 69, 79, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, **99**]

Q.3 (72688-2427) estimated to the nearest hundred is

- a) 4900 b) 4800 c) 4841 d) 5000

Solution: b) 4800

[Explanation: $7268 - 2427 = 4841$

Nearest hundred to 4841 is 4800.]

Q.4 The smallest 4-digit number with 4 different digits is _____

- a) 0123 b) 1023 c) 1230 d) 1000

Solution: b) 1023

[Explanation: 0123 is not a 4-digit number because it is read as 123.

Therefore, 1023 is the required number.]

Q.5 Write the roman numeral for 145.

- a) IIVV b) CIVV c) CXLV d) IXLV

Solution: c) CXLV

[Explanation: $145 = 100 + 40 + 5$

C + XL + V = CXLV]

Q.6 Round off 173 to nearest ten.

- a) 165 b) 180 c) 175 d) 170

Solution: d) 170

[Hint: In 173, digit at tens place is 3 which is less than 5.

Therefore, 170 is the required number.]

Q.7 A number exceeds 37684955 by 3615045. What is that number?

- a) 34069910 b) 41300000 c) 37684955 d) None of these

Solution: b) 41300000

[Explanation: $37684955 + 3615045 = 41300000$]

Q.8 The piece of cloth required for a shirt is 2m 85cm. How much cloth will be required for 16 such shirts?

- a) 45m 60cm b) 2m 75cm c) 14m 80cm d) None of these

Solution: a) 45m 60cm

[Hint: Multiply 2m 85cm by 16 to get the length of cloth.]

Q.9 $CXIX - XXV =$ _____

- a) XLVI b) LXX c) XCIV d) LVII

Solution: c) XCIV

[Explanation: $CXIX = 119$, $XCIV = 94$, $XXV = 25$
 $119 - 94 = 25$]

Q.10 Find the number which is the successor of the successor of 304998.

- a) 304997 b) 304999 c) 304996 d) 305000

Solution: d) 305000

[Hint: $304998 + 1 = 304999$
 $304999 + 1 = 305000$]

Q.11 Complete the series: 1,1,2,3,5,8,13,21,34, _____

- a) 55 b) 47 c) 51 d) 43

Solution: a) 55

[Explanation: $1+1=2$, $2+3=5$, $3+5=8$, $5+8=13$, $8+13=21$, $13+21=34$, $21+34=55$]

Q.12 The place value of 6 in the numeral 48632950 is

- a) 6 b) 632950 c) 600000 d) 486

Solution: c) 600000

[Explanation: Expanded form of 48632950 is $40000000 + 8000000 + 600000 + 30000 + 2000 + 900 + 50 + 0$
Therefore, the place value of 6 is 600000]

Q.13 The face value of 4 in the numeral 89247605 is

- a) 4 b) 40000 c) 47605 d) 8924

Solution: a) 4

[Hint: The face value of a digit remains as it is, whatever place it may be occupying in the place value chart.]

Q.14 The smallest counting number is

- a) 0 b) 1 c) 10 d) None of these

Solution: b) 1

[Explanation: fact]

Q.15 The difference between the place value and the face value of 5 in the numeral 78653421 is

- a) 53416 b) 4995 c) 49995 d) None of these

Solution: c) 49995

[Explanation: Place value= 50000

Face value= 5

Difference= $50000 - 5 = 49995$]

Q.16 What comes just before 1000000?

- a) 99999 b) 999999 c) 9999999 d) None of these

Solution: b) 999999

[Hint: Subtract 1 from 1000000]

Q.17 Which of the following is not meaningful?

- a) XIII b) XIV c) XLV d) IXX

Solution: d) IXX

[Hint: IX cannot occur to the left of X]

Q.18 A vessel has 4l and 500ml of curd. In how many glasses each of 25ml capacity, can it be filled?

- a) 180 b) 150 c) 130 d) None of these

Solution: a) 180

[Explanation: 4l 500ml= 4500ml

$$4500 \div 25 = 180 \text{ glasses}]$$

Q.19 The product of two numbers is 13421408. If one of the two numbers is 364, find the other.

- a) 2356 b) 36872 c) 1249 d) 13768

Solution: b) 36872

[Hint: Divide 13421408 by 364]

Q.20 By how much is 5643879 smaller than one crore?

- a) 4356121 b) 8374134 c) 6392915 d) 21613495

Solution: a) 4356121

[Explanation: 10000000- 5643879 = 4356121]