C A T (MATHS) - 2012
CLASS-V

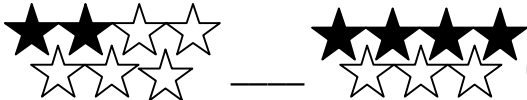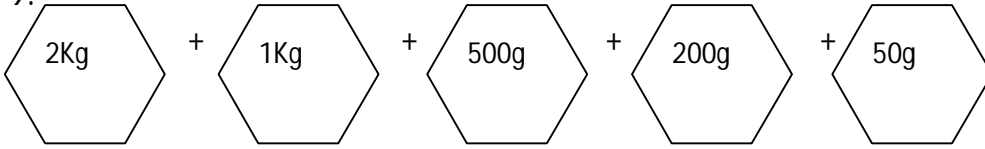TIME: 2hrs.   MAX. MARKS: 80

Q1. Fill in the blanks.   (15)
1. Difference in the place value and face value of 5 in 3,57,12,293 is _____
2. By interchanging the digits at lakhs and thousands place in 7,18,90,004, the number becomes _____
3. Complete: XXX ; XXIX ; XXVIII ; _____ ; _____
4. 6,82,94,346 - ____ = 6,82,94,346
5. Sum of 81,30,596 and 50,98,997 is _____.
6. If 1 kg of Mangoes cost Rs. 48 ; ½ Kg will cost Rs. _____.
7. ____ (Put <, > or = keeping in mind the shaded portion)

8. Renu has five 10 rupee notes and one 50 rupee note, money with her is _____.

9.

   = _____ Kg _____ g

10. 47 l 250 ml - 38 l 100 ml = _____ l _____ml

11. Portion of a line is called a _____.

Questions 12, 13, 14, 15 are based on the pictograph drawn below:
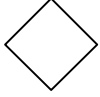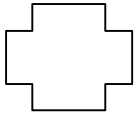Here, one dot (•) represents 5 marbles.

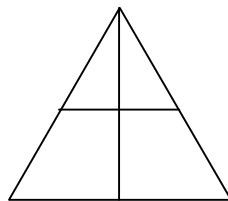| Anu	• • •
Radhika	• • • • • • • • •
Vasim	• • • • • • •
Shelly	• • • • • • • • • • • • • • • •

12. Shelly has _____ marbles.

13. Radhika has _____ marbles more than Vasim.

14. There are _____ marbles in all.

15. Vasim and Anu together have _____ marbles

Q2. Multiple choice questions: (30)

(Tick the correct option)

1. 1 km = _____
   (a) 100 cm   (b) 100 cm   (c) 1000 m   (d) 100 m

2. A liquid capacity is measured in terms of –
   (a) Kilometre   (b) Litre   (c) Millimetre   (d) Both (b) & (c)

3. Reena weighs 45 kg , her friend Rajni weighs 5 kg 800 gm more than Reena, that means Rajni's weight is –
   (a) 50 kg 800 gm   (b) 45 kg 5 gm   (c) 40 kg 800 gm   (d) 50 kg

4. The Perimeter of a rectangle, whose length is16 cm and breadth is 8 cm, will be –
   (a) 64 cm   (b) 6 m 4 cm   (c) 48 cm   (d) 128 cm

5. Which of the following has a definite length –
   (a) A line   (b) A ray   (c) a line segment (d) Both (a) & (b)

6. Which of the following are simple closed curve –

   (a)   (b)   (c)   (d)

   (a) a and d   (b) c   (c) b, c and d   (d) b

7. How many triangles are there in the given figure –

   (a) 6   (b) 3   (c) 2   (d) 5

8. A cube has _____ surfaces –
   (a) 12   (b) 8   (c) 6   (d) 4

9. 6 rupees 50 paise equals to –
   (a) 650 paise   (b) 6050 paise   (c) 6500 paise   (d) 6005 paise

10. How many 25 paise are there in 2 rupees –
    (a) 4   (b) 8   (c) 10   (d) 50

11. The smallest 5 digit number formed by using 9,3,2,0,1 is –
    (a) 12390   (b) 01239   (c) 10239   (d) 93210

12. Twelve million three hundred six thousand and nine hundred thirty nine will be written in figures as –
    (a) 1236939   (b) 12369039   (c) 12036939   (d) 12306939

13. 40 million is same as –
    (a) 40 crore   (b) 4 crore   (c) 40 lakh   (d) 4 lakh

14. 625 _____, what should be written in blank to make it an even number-
    (a) 5   (b) 1   (c) 0   (d) none of these

15. How many 3 digit numbers can you make by using 7,4,0 –
    (a) 4   (b) 6   (c) 5   (d) 2

16. The place value of 8 in 68794590 is –
    (a) 8 lakh   (b) 80 lakh   (c) lakh   (d) none of these

17. The number 567 more than 1456390 is –
    (a) 1456567   (b) 1465957   (c) 1456957   (d) 1456950

18. In multiplication question the number which is being multiplied is called –
    (a) Multiplicand   (b) Multiplier   (c) Product   (d) Difference

19. If 25 x 9 = 225 then 250 x 90 is –
    (a) 2250   (b) 22500   (c) 22005   (d) 22050

20. If a number is divided by 1, the quotient will be –
    (a) 1   (b) The number itself (c) 0   (d) any number

21. How many match sticks will you need to make a Roman numeral 21 –
    (a) 21   (b) 2   (c) 4   (d) 5

22. There are _____ basic Roman symbols –
    (a) 7   (b) 5   (c) 10   (d) 8

23. 78 in Roman numerals is written as –
    (a) LXXVIII   (c) XXXCVIII   (c) LXXIIX   (d) LXXXVIII

24. $\dfrac{5}{9} - \dfrac{1}{9}$ is
    (a) $\dfrac{4}{9}$ (b) $\dfrac{4}{0}$ (c) $\dfrac{6}{9}$ (d) None of these

25. 1/9, 1/6, 1/8, 1/7 are examples of –

(a) Unit fraction   (b) Like fraction   (c) Equivalent fraction (d) None of these

26. 7:00 am can also be written as –

(a) 0700 hrs   (b) 1900 hrs   (c) 0070 hrs   (d) 700 hrs

27. The journey to the stadium takes 1 hr. If Sita has travelled for 35 min, how many more minutes she has to travel –

(a) 25 min   (b) 34 min   (c) 15 min   (d) 35 min

28. A leap year has –

(a) 52 weeks   (b) 53 weeks   (c) 365 days   (d) 365¼ days

29. Follow the pattern and complete the series –

| 4, 8, 2 | | 8, 16, 4 | | |

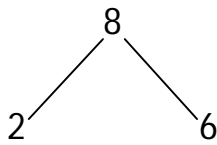(a) 2, 4 , 8   (b) 4, 8, 16   (c) 2, 4, 1   (d) 8, 4, 2
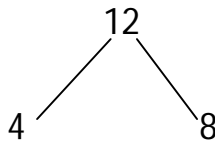
30. Fill in the missing number –

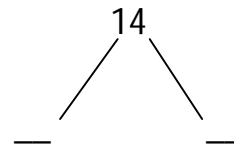(a) 5, 9   (b) 2, 12   (c) 3, 11   (d) 7, 7

Q3. Write true or false: (15)

1. 88,05,099 < 88,25,199 < 89,00,000 < 89,91,199.
2. Smallest 7-digit number by repeating the digits - 3,0,1,9,4 is 33,30,149.
3. Predecessor of 1,00,00,000   is 99,99,999.
4. Odd numbers between 76,43,275 and 76,43,280 are 76,43,276 and 76,43,278.
5.   6/8 = 15/24.
6. If dividend = 92,546 ; divisor= 1,000 ; then quotient=546 and remainder=92.
7. 3/10 , 4/10 , 5/10 are like fractions.
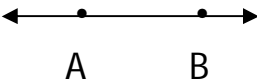8. 4/5 > 3/5 > 2/5.
9. 14 l 950 ml +35 l 50 ml =50 l.
10. The length of the ruler is 15 km.
11. 2:15 pm = 0215 hrs.
12. Length of a ray can be measured.
13. 2 hrs after midnight is 2:00 pm.

14. Perimeter of a square with side 8 cm is 32 cm.

15. The given figure is a line : ←——•——•——→
                              A   B

Q4. Match the following: (10)

1. Largest 8 Digit number   1 Km

2. 57,925,394   4 minutes to 10

3. XLIV   Fifty seven million, nine hundred
                                             twenty five thousand, three hundred
                                             ninety four

4. 15 less than the smallest 5 digit number   7,580 paise

5. 10 notes of Rs. 10   1 more than 9,99,99,998

6. 75 rupees, 80 paise   pm

7. 9:56 pm   triangle

8. 3 sided polygon   9,000 + 900 + 80 + 5

9. 1000 m   44

10. Sun sets at 5:40   Rs. 100

Q4. Word Problems: (10)

1. Vinod had Rs 100/- and went to a shop. He bought a packet of chewing gums for Rs 12/- and an ice cream pack for Rs 52/-. How much money he is left with –

   (a) Rs 82/-   (b) Rs 36/-   (c) Rs 48/-   (d) Rs 64/-

2. There are 8 pieces of a chocolate bar. Mother gave 7 pieces to Raj and he shared 2 pieces with Ravi. What part of chocolate bar was left with Raj?

   (a) 7/8   (b) 5/7   (c) 5/8   (d) 2/5

3. After distributing 5 chocolates each among 8 children 3 were left in the bag. How many chocolates were there in the bag –

   (a) 15   (b) 40   (c) 43   (d) 45

4. Out of 2970 students in a school, 1060 are in primary department, 930 in middle department and the remainders are in the senior department. The number of students in senior department are –

   (a) 1990   (b) 980   (c) 1570   (d) 1750

5. There were altogether 20 sweets. You took 12 for yourself and gave 8 to your friend. Your friend gets _____ fraction of sweets –

   (a) 8/20   (b) 20/8   (c) 12/20   (d) 8/12

6. A wooden plank is 8 m 50 cm long. A length of 2 m 15 cm is cut from it. How much of the plank will remain –

   (a) 2 m 35 cm   (b) 6 m 45 cm   (c) 6 m 35 cm   (d) None of these

7. The number of children who opted for cricket is double the number of those who opted for football. If the number of students who opted for football is 3 less than 3 times 13 then the number of the students who opted for cricket is –

   (a) 36   (b) 39   (c) 69   (d) 72

8. The party lasted for 6 hrs 30 mins but I came back one and a half hour earlier. How much time did I spend in the party –

   (a) 5 hrs   (b) 6 hrs   (c) 5 hrs 30 mins   (d) 1 hr 30 mins

9. Rajiv's home is about 8 km 750 m from the school; Chetan's home is about
    2 km 500 m less far than the distance of Rajiv's home from the school. The
    distance between Chetan's home and the school is –
    (a) 6 km 250 m   (b) 10 km 750 m   (c) 11 km 250 m   (d) 6 km 750 m

10. I read 4/9 of a story book yesterday. Today I read 2/9 of it. How much part
     I read in 2 days
     (a) $\dfrac{6}{18}$ (b) $\dfrac{6}{9}$ (c) $\dfrac{2}{9}$ (d) $\dfrac{8}{9}$