

**SAMPLE PAPER-4**  
**C A T –MATHS**  
**CLASS -5**

**Time: 2 Hours**

**Max Marks: 80**

**Q1. Fill in the blanks:** **(15)**

- 1) The greatest 5 digit number is \_\_\_\_\_
- 2) 492, 070 = \_\_\_\_\_ thousands and seventy
- 3) 1 Crore = \_\_\_\_\_ lakhs
- 4) 10 thousands = \_\_\_\_\_ hundreds
- 5) 1 million = \_\_\_\_\_ lakhs
- 6) 1000 less than 67501 is \_\_\_\_\_
- 7) The number from which the other number is to be subtracted is called the\_\_\_\_\_.
- 8) Find the missing number:  

$$\frac{3}{11} = \frac{33}{\quad}$$
- 9) \_\_\_\_\_ five- rupee coins will make ₹ 50.
- 10) \_\_\_\_\_ unit of measure is best for measuring the amount of water a bottle cap can hold .
- 11) Measure the length of each line segment to the nearest mm. Also give your answer in cm.

	mm	cm
(I) _____	_____	_____
(II) _____	_____	_____

**12) Write each time as 24 hour time.**

(a) 2:25 am = \_\_\_\_\_ (b) 10:40 pm = \_\_\_\_\_

13) If a 24 hour clock reads 20 00 hours, it is \_\_\_\_\_ (am / pm) on the 12 hour clock.

14) Study the pattern and find the rule . Using the rule fill in the blanks:

$$1 + 3 = 4 = 2 \times 2$$

$$1 + 3 + 5 = 9 = 3 \times 3$$

$$1 + 3 + 5 + 7 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

15) Give each of them a half turn.

(a) 2 -

(b) A -

**Q 2. Tick the correct option in each of the following**

**(30)**

1) The place of the underlined digit in 8369216 is

- (I) 8 million      (II) million      (III) 8 lakh      (IV) lakh

2) The population of a city is 859,438. When rounded off to the nearest hundred, the population is:

- (I) 859,430      (II) 859,000      (III) 859,400      (IV) 859,500

3) How many 3-digit numbers can be made from 4, 9, and 0?

- (I) 6      (II) 7      (III) 4      (IV) 5

4) How many years in 2 millennia?

- (I) 200      (II) 20      (III) 2000      (IV) 1000

5) which is the same as 30 tens:

- (I) 3 ones      (II) 30 ones      (III) 3 hundreds      (IV) 30 hundreds

6) Eight boxes each hold the same number of machine parts. Only one answer below shows the total number of parts. Which is it?

- (I) 135      (II) 138      (III) 136      (IV) 133

7) Hindu Arabic Numeral for L X I X is

- (I) 69      (II) 59      (III) 49      (IV) 19

8) Roman Number for 91 is

9) Five ties cost ₹ 400.00 then the cost of 1 tie is

- (I) ₹ 100.00 (II) ₹ 8.00 (III) ₹ 80.00 (IV) ₹ 10.00

10) Of every 20 cars seen a parking lot, 8 were white, 6 were red, 2 were blue and 4 were Other colours.

If 12 were red then no of white, blue, others were

- (I) 10,6,4 (II) 16,4,8 (III) 14,8,10

11) What fraction of a day is 6 hours ?

- (I) 10 (II)  $\frac{1}{10}$  (III) 1 (IV)  $\frac{1}{60}$

12)  $\frac{3}{2} \div \frac{1}{3} = \underline{\hspace{2cm}}$

- (I)  $\frac{9}{2}$  (II)  $\frac{1}{2}$  (III)  $\frac{2}{3}$  (IV)  $\frac{2}{1}$

13)  $\frac{3}{10}$  of  $\frac{5}{6}$

- (I)  $\frac{1}{4}$  (II)  $\frac{9}{25}$  (III)  $\frac{15}{10}$  (IV) 4

14) Ruma has ₹ 50. A pen costs ₹ 7 each. What is the greatest number of pens Ruma can buy?

- (I) 6 (II) 7 (III) 8 (IV) 9

15) 7608P= ₹ \_\_\_\_\_p\_\_\_\_\_

- (I) 76, 80 (II) 76, 8 (III) 76,800

16) When I have fever I take 5\_\_\_\_\_of syrup.

- (I) litre (II) ml (III) gm (IV) meter

17) Weight of my school bag is 3\_\_\_\_\_

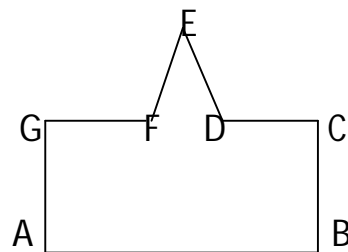
- (I) gm (II) kg (III) mg (IV) km

- 18)** Standard unit of mass is \_\_\_\_\_  
 (I) gm (II) kg (III) mg (IV) hg
- 19)** How many 200ml glasses of water can be poured from a 2 litre jug?  
 (I) 20 (II) 10 (III) 400 (IV) 100
- 20)** Anil's weight is 3.59 kg less than that of Anita. If Anil's weight is 58.58 kg, then weight of Anita is  
 (I) 54.99kg (II) 62.17kg (III) 58.58kg
- 21)** A \_\_\_\_\_ has two faces.  
 (I) Cone (II) cube (III) sphere (IV) cylinder
- 22)** The perimeter of a square with side 24cm is \_\_\_\_\_  
 (I) 96cm (II) 12cm (III) 96cm (IV) 28cm
- 23)** 2 hours after midnight is \_\_\_\_\_  
 (I) 2 PM (II) 14 hours (III) 2am (IV) 0002 hours
- 24)** A \_\_\_\_\_ has one end point.  
 (I) Line segment (II) line (III) ray (IV) Plane
- 25)** 45 metres is \_\_\_\_\_ of a kilometer.  
 (I)  $\frac{9}{200}$  (II)  $\frac{45}{100}$  (III)  $\frac{15}{200}$  (IV)  $\frac{1}{1000}$
- 26)** 8 hours is \_\_\_\_\_ of a day.  
 (I)  $\frac{1}{4}$  (II)  $\frac{1}{8}$  (III)  $\frac{1}{3}$  (IV)  $\frac{2}{3}$
- 27)** 6.5 litre = \_\_\_\_\_ ml.  
 (I) 65000 (II) 6500 (III) 6.500 (IV) 6.5000
- 28)** 2 right angles make a \_\_\_\_\_ turn.  
 (I)  $\frac{1}{4}$  (II)  $\frac{1}{2}$  (III)  $\frac{1}{3}$  (IV)  $\frac{2}{3}$
- 29)** How many minutes will 720 seconds make?  
 (I) 14 (ii) 12 (iii) 15 (iv) 13
- 30)** Tendulkar was caught behind the wickets at a score 1 less than a century \_\_\_\_\_ (write in Roman Number)

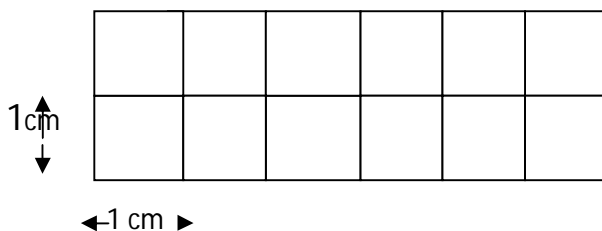
**Q 3.State whether the following statements are TRUE or FALSE :**

**(15)**

- 1)  $\frac{1}{4}$  of one year = 4 months \_\_\_\_\_
- 2)  $\frac{1}{5}$  of a century = 20 years \_\_\_\_\_
- 3) A line has 2 end points. \_\_\_\_\_
- 4) A ray does not have a definite length . \_\_\_\_\_
- 5) The perimeter of a regular hexagon with side 7 cm is 56cm \_\_\_\_\_
- 6) When we subtract XIV from XXXV, we get XXII. \_\_\_\_\_
- 7) The number 1,304,912 in Indian system of numeration is written as one million three hundred four thousand nine hundred twelve. \_\_\_\_\_
- 8) The smallest 5 digit number using the digits 1, 2, and 0 with 7 at ones place is 10027. \_\_\_\_\_
- 9) When we multiply the largest 4 digit number by the smallest 3 digit number the product is 9999000. \_\_\_\_\_
- 10) One - third of 300 is 30. \_\_\_\_\_
- 11) Anita had ₹ 49.50 after spending ₹ 15.00. Anita had ₹ 34.50 in the beginning. \_\_\_\_\_
- 12) A cylinder has 2 flat surfaces and 1 curved surface. \_\_\_\_\_
- 13) There are 20 one fifths in 100. \_\_\_\_\_
- 14) There are 6 line segments in the following figure. \_\_\_\_\_

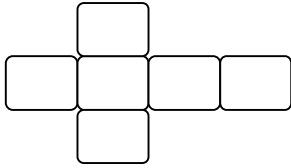


- 15) The total perimeter of the figure given below is 12 cm. \_\_\_\_\_



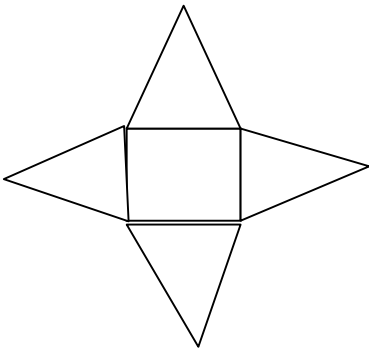
**Q 4. Match the following:****(10)**

1.



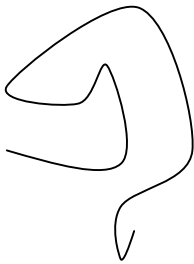
(a) right angle

2.



(b) open curve

3.



(c) cuboid

4.



(d) standard unit

5. Kilogram

(e) pyramid

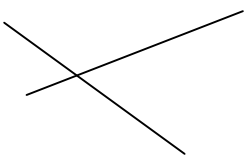
6. Gram

(f) ray

7.  $90^\circ$ 

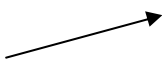
(g) line

8.



(h) base unit

9.



(i) cube

**Q 5. Solve the following:****(10)**

- 1) Complete the magic square ( using the digits 1-9 only without repeating the digits).

3		5
	6	
		7

- 2) Build a number that has:

2 ones, 4 crores, 0 tens, 9 hundred, 8 thousand, 14 lakhs.

- 3) A factory manufactures 8255827 boxes of pencils and 6476895 boxes of coloured pencils every year. What is the total number of goods manufactured annually?

- 4) On Monday it started raining at 1:30 pm. It stopped raining 2 hours 30 minutes later. What time did it stop raining?

- 5) Find the value of each letter in these squares. Only numbers 1,2,3,4 and 5 are used. The sum of each row and column is given.

	8	11	10	
E	A	D		10
C	E	B	5	10
A	B	D		9

A= ; B = ; C = ; D=

- 6) 9 children join hands to form a chain. How many hands are held? Write the answer in Roman Numbers.

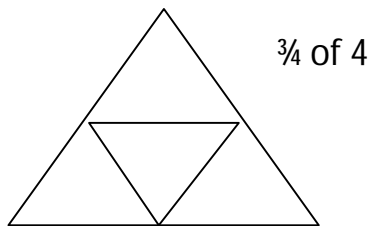
- 7) On a farm, there is one cow for every 5 sheep.

- (i) How many sheep will be there, if there are 20 cows?  
(ii) How many cows will be there, if there are 50 sheep?

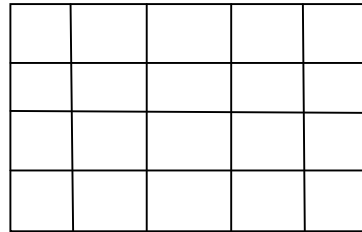
- 8) A number divided by 573 gives 391 as quotient and 305 as remainder. Find the number.

9) Shade the fractions indicated:-

(I)













(II)



$\frac{1}{5}$  of 20

10) The pictograph below shows how many pieces of each fruit Ali counted.

FRUIT	NUMBER OF PIECES
PINEAPPLE	 
STRAWBERRY	   
ORANGE	  

 = 4 PIECES

(a) How many more strawberry pieces were there than orange pieces?

(b) How many pineapple pieces did Ali count?