

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:

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

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

$$1 + 3 + 5 + 7 = \underline{\quad\quad} = \underline{\quad\quad}$$

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 LXIX is

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

8) Roman Number for 91 is

(I) ICI (II) CXI (III) XCI (IV) CIX

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) $\frac{3}{2} \div \frac{1}{3} =$ _____

(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_____

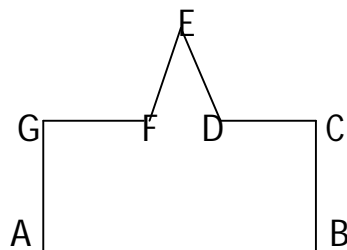
(I) gm (II) kg (III) mg (IV) km

- 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)

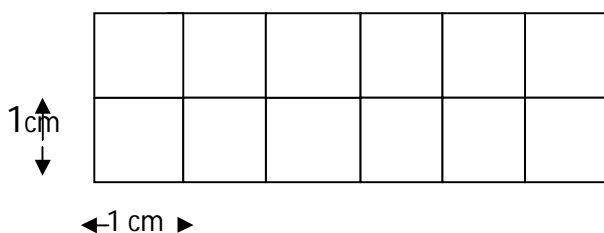
(I) IC (II) IXIX (III) XCIX (IV) CXIX

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. _____



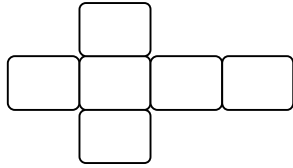
- 15) The total perimeter of the figure given below is 12 cm. _____



Q 4. Match the following:

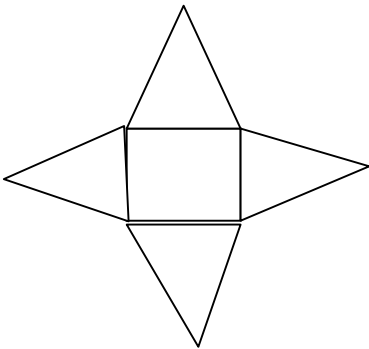
(10)

1.



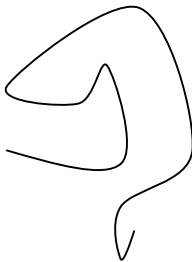
(a) right angle

2.



(b) open curve

3.



(c) cuboid

4.



(d) standard unit

5. Kilogram

(e) pyramid

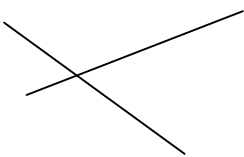
6. Gram

(f) ray

7. 90°

(g) line

8.



(h) base unit

9.



(i) cube

10. It has 6 square faces

(j) Intersecting lines

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.

E	A	D	
C	E	B	
A	B	D	

8	11	10	
			10
	5		10
			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.

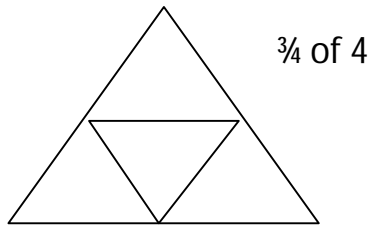
- 7) On a farm, there is one cow for every 5 sheep.

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

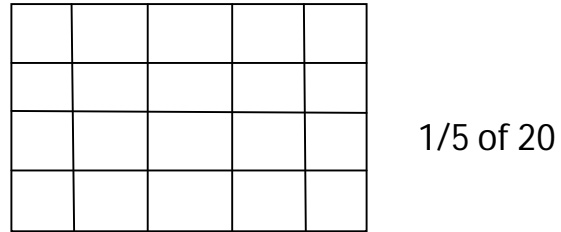
- 8) A number divided by 573 gives 391 as quotient and 305 as remainder. Find the number.

9) Shade the fractions indicated:-

(I)



(II)



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?