INDIAN SCHOOL AL WADI AL KABIR

Mid Term Revision Paper (2024-25)

Class: VI Sub: MATHEMATICS Max Marks: 80

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.15) & Source based Question (Q.16)

Section B: Short Answer Questions of 2 marks each (Q.17 to Q.21)

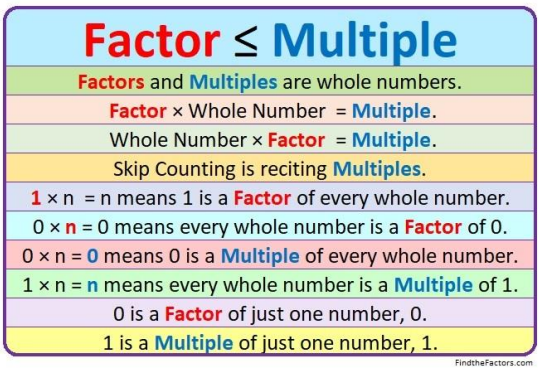
Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.22 to Q.27)

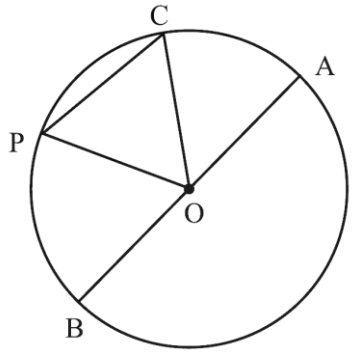
Section D: Long Answer Questions (Type – 2) of 4 marks each (Q.28 to Q.33)

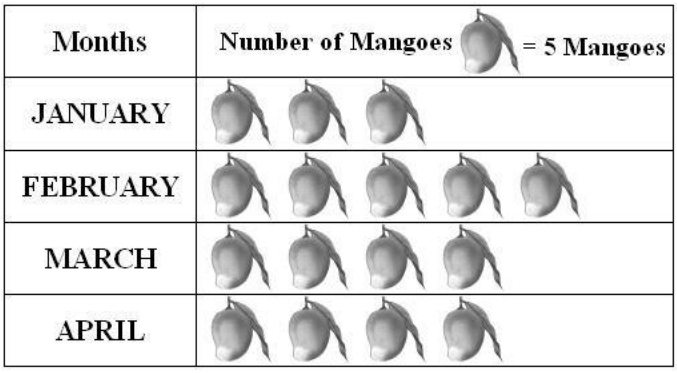
& Case study Questions (Q.34 & Q.35) of 4 marks each.

Section A: Multiple Choice Question (Q.1 to Q.15) of **1** mark each								
1.	Which pair has same digits at hundreds place?							
	A	4232,4331	**B**	2334,2340	**C**	6524,7823	**D**	5432,6922
2.	If we add 1 more to the greatest 6-digit number we get							
	A	Ten lakhs	**B**	One lakh	**C**	Ten lakh one	**D**	One lakh one
3.	Make the smallest four-digit number by using any one digit twice by 0,4,9							
	A	0049	**B**	4049	**C**	4009	**D**	4099
4.	Write the numeral for the number Nine crore five lakh forty-one.							
	A	9,50,00,041	**B**	9,05,00,041	**C**	9,05,041	**D**	9,500,041
5.	Find value of 297 x 17 + 297 x 3							
	A	5940	**B**	5980	**C**	5942	**D**	5970
6.	If the product of two whole numbers is one if							
	A	one number is1	**B**	two numbers are 1	**C**	Not defined	**D**	None of these

7.	Which natural number has no predecessor?							
	A	0	**B**	10	**C**	1	**D**	100
8.	State the property in statement: $256 \times 24 = 24 \times 256$							
	A	Closure property	**B**	Commutative property	**C**	Associative property	**D**	None of these
9.	Every number is multiple of							
	A	0 & 1	**B**	1 & 2	**C**	0 & 2	**D**	1 & Itself
10.	Which of the following number is divisible by 3							
	A	121	**B**	123	**C**	122	**D**	124
11.	Two numbers having only 1 as common factor are called							
	A	Prime numbers	**B**	Even numbers	**C**	Co – prime	**D**	Odd numbers
12.	Which one from the following is the prime factorization of 96?							
	A	2×2×2×2×2×3	**B**	$2 \times 8 \times 3$	**C**	$2 \times 3 \times 3 \times 3$	**D**	$3 \times 4 \times 4 \times 2$
13.	An angle is made up of two _____ starting from common end point							
	A	Rays	**B**	Lines	**C**	Line segments	**D**	None of these
14.	If two lines are perpendicular to each other then angle between them at the point of contact is							
	A	80^0	**B**	90^0	**C**	100^0	**D**	180^0
15.	A _____ of a circle is a line segment joining any two points on the circle							
	A	Radius	**B**	Arc	**C**	Chord	**D**	Centre

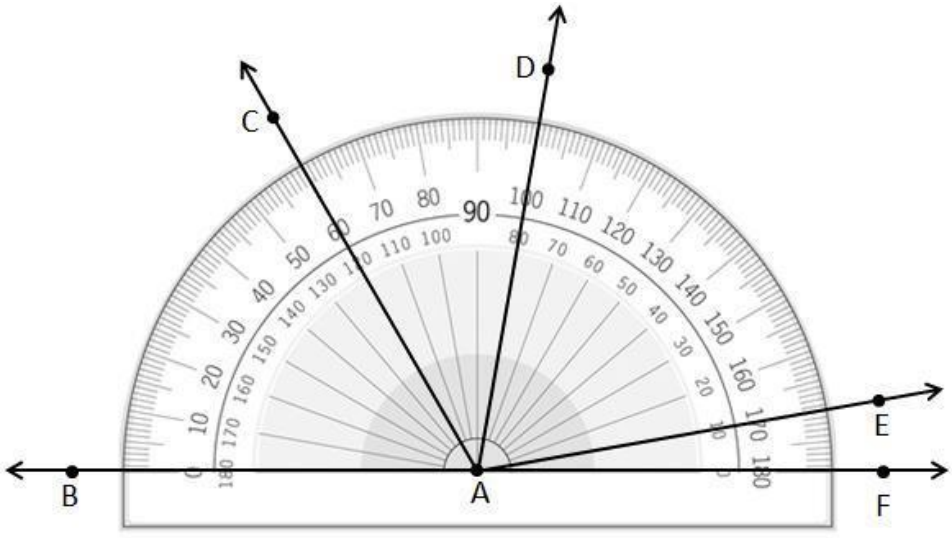
Q16.	**Source based Question -5 Marks**  							
I	The only prime number which is also even							
	A	2	**B**	4	**C**	6	**D**	8
II	How many factors does 36 has							
	A	7	**B**	8	**C**	9	**D**	10
III	What is the fifth multiple of 17?							
	A	70	**B**	75	**C**	80	**D**	85
IV	The multiples of 2 are also called							
	A	Prime numbers	**B**	Odd numbers	**C**	Even numbers	**D**	None of these
V	Identify the common multiples of 6 and 8.							
	A	12 and 16	**B**	18 and 24	**C**	24 and 48	**D**	32 and 36
Section B: Short Answer Questions (Type – 1) of **2** marks each (Q.17 to Q.21)								
17.	Insert commas suitably and write the names according to Indian System of Numeration : (a) 87595762 (b) 99900046							
18.	Write the successor of: (a) 6740309 (b) 400799							

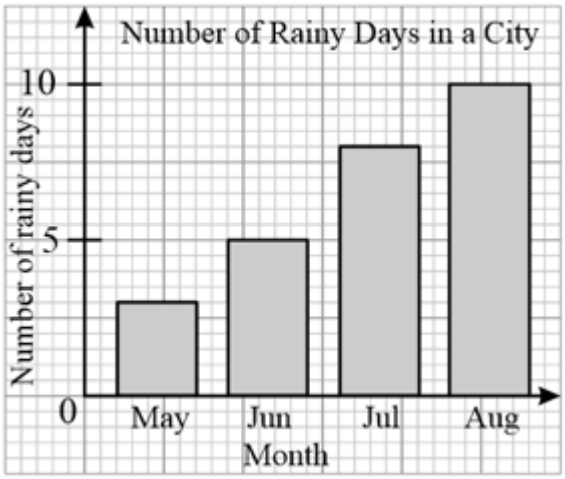
19.	Find first two common multiples of 12 and 18
20.	Using protractor draw $\angle \mathrm{PQR} = 125^0$
21.	Using number line find 14 – 6
Section C: Long Answer Questions (Type – 1) of **3** marks each (Q.22 to Q.27)	
22.	A box contains 2,00,000 medicine tablets each weighing 20 mg. What is the total weight of all the tablets in the box in grams and in kilograms?
23	Find the product 8739 × 102 using distributive property
24.	Determine prime factorization of each of the following numbers: a. 216 b. 300
25	Test the divisibility of the following number by 3, 6, 9 a. 26352 b. 1572
26.	In Fig., O is the centre of the circle.  (a) Name all chords of the circle. (b) Name all radii of the circle. (c) Name a chord, which is not the diameter of the circle
27	From the pictograph, answer the following questions **a.** Find the number of mangoes purchased for a home during February is **b.** Find the number of mangoes purchased for a home during January is **c.** Find the number of mangoes purchased for a home during March is

Section D: Long Answer Questions (Type – 2) (Q.28 to Q.33)

& Case study (Q.34 &35) of **4** marks each

28.	A machine on an average, manufactures 2,825 ice-creams a day. How many ice-creams did it produce in the month of February 2020(leap year)?
29.	A person had Rs 1000000 with him. He purchased a colour T.V. for Rs 16580, a motor cycle for Rs 45890 and a flat for Rs 870000. How much money was left with him?
30.	Write the smallest 5-digit number and express it in the form of its prime factors
31.	Find the measure of the following angles  a. ∠FAE b. ∠FAD c. ∠BAC d. ∠BAD

32.	Mohan threw a dice 40 times and noted the number appearing each time as shown below : 1 3 5 6 6 3 5 4 1 6 2 5 3 4 6 1 5 5 6 1 1 2 2 3 5 2 4 5 5 6 5 1 6 2 3 5 2 4 1 5 Make a table and enter the data using tally marks. Find the number that appeared. (a) The minimum number of times (b) The maximum number of times (c) Find those numbers that appear an equal number of times
33.	The bar graph below shows the number of rainy days in a city over a period of four months.  Answer the following questions i. Which month has the least number of rainy days? ii. Which month has the maximum number of rainy days?
34.	**Case Study-1** Lata and her grandfather went to a community library. In the library, there were 590099 books in Hindi and 409900 books in English. Lata took one Hindi story book of the library and lost it. Next day her grandfather donated 2 Hindi story book to the library.

Based on above passage answer the following questions:

a) How many total books were present in the library.

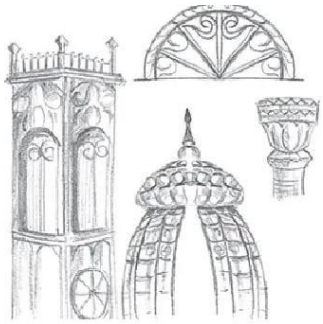
b) Write the total number of books in words following International Number system.

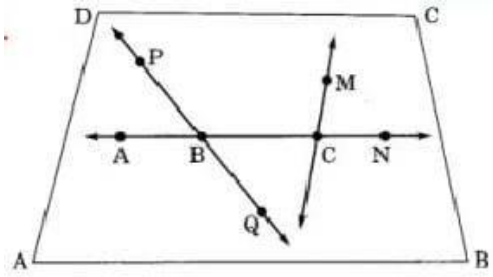
c) Write the expanded form for the number of Hindi Books.

d) Write the successor of the given numbers of Hindi and English books.

35. Case Study-2

Geometry has a long and rich history. The term 'Geometry' is the English equivalent of the Greek word 'Geometron'. 'Geo' means Earth and 'metron' means Measurement. According to historians, the geometrical ideas shaped up in ancient times, probably due to the need in art, architecture and measurement. These include occasions when the boundaries of cultivated lands had to be marked without giving room for complaints. Construction of magnificent palaces, temples, lakes, dams and cities, art and architecture propped up these ideas. Even today geometrical ideas are reflected in all forms of art, measurements, architecture, engineering, cloth designing etc. Observe the given below figure. Based on the figure, answer the following





(i)Name the line containing point M.

(ii)Name the line containing three points.

(iii)Write two pairs of intersecting lines?

(iv)How many lines are passing through two given points?

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ANSWERS

1.	B	**8.**	B	**15.**	C	**22.**	4000000mg, 4000kg	**29.**	₹67,530
2.	A	**9.**	D	**16.**	I. A IV. C II.C V. C III.D	**23.**	891378	**30.**	10,000 2x2x2x2x5x5x5x5
3.	C	**10.**	B	**17.**	a. 8,75,95,762 Eight crore seventy-five lakh ninety-five thousand seven hundred and sixty-two b.9,99,00,046 Nine crore ninety-nine lakh forty-six.	**24.**	a.2x2x2x3x3x3 b.2x2x3x5x5	**31.**	a. 10^0 b. 80^0 c. 60^0 d.100^0
4.	B	**11.**	C	**18.**	a. 6740310 b. 400800	**25.**	a. 3,6,9 b. 3,6	**32.**	a. 4 b. 5 c. 1,6
5.	A	**12.**	A	**19.**	36, 72	**26.**	a. PC, AB b.OA,OB,OC,OP c. PC	**33.**	a. May b. August
6.	B	**13.**	A	**20.**		**27.**	a. 25 b. 15 c. 20	**34.**	a)9,99,999 (b) nine hundred ninety-nine thousand nine hundred and ninety nine (c)4×100000+9×1000+9×100 (d) The successor of English books is 409901,the successor of Hindi books is 590100
7.	C	**14.**	B	**21.**		**28.**	81925	**35.**	a. $\overleftrightarrow{CM}$ b. $\overleftrightarrow{PQ}$ c.$(\overleftrightarrow{AN}, \overleftrightarrow{PQ}), (\overleftrightarrow{AN}, \overleftrightarrow{MC})$ d. Only one line