MAT | Class 4 | DPSG

Delhi Public School Gandhinagar
Academic Session 2023-24
Mathematics Aptitude Test (MAT)

Total Questions : 35 Guidelines for the Candidate				Time : 1 hr
PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No.of Questions	10	10	10	5
Marks per Ques.	1	1	1	1
All the questions are compulsory.				

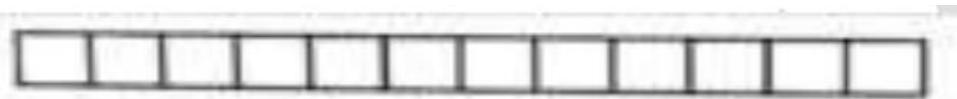|	**LOGICAL REASONING**
1	What will be the last cloud number? 20　19　17　? (A) 14　　(B) 15　　(C) 13　　(D) 1
2	In a certain code language, MANGO is coded as NBOHP, then how will the word SHAPE be coded in the same language? (A) TIBQF　(B) TBIQF　(C) APESH　(D) FTIQ
3	Which letter does not fit into the group? A　D　E　O (A) A　　(B) D　　(C) E　　(D) O
4	In the following question which alternative will replace the question mark. 3 is to 12 as 12 is to? (A) 24　　(B) 48　　(C) 36　　(D) 25
5	If 2/ 3 of the twelve small squares in the given figure are removed, how many squares remain? (A) 2　　(B) 3　　(C) 4　　(D) 8

6	Identify the total value of the combination of money.
	₹5 , ₹10 , ₹20 , ₹ 50 ₹ 500 , 50p , 25p
	(A). ₹ 600 and 25p
	(B). ₹ 550 and 75p
	(C). ₹ 480 and 50p
	(D). ₹ 585 and 75p

7	Find 3 different ways to make the number 99.
	(A) 99 + 0, 98 + 1, 90 + 9
	(B) 99 + 1, 98 + 2, 90 + 10
	(C) 99 + 0, 98 + 10, 90 + 1
	(D) 99 + 2, 98 + 11, 90 + 9

8	The pictograph shows the number of teenagers who attended a youth programme on four different days . 29.1 How many teenagers (to the nearest hundred) attended the programme over the four days?

No. of teenagers who attended a youth programme

Each represents 10 teenagers.
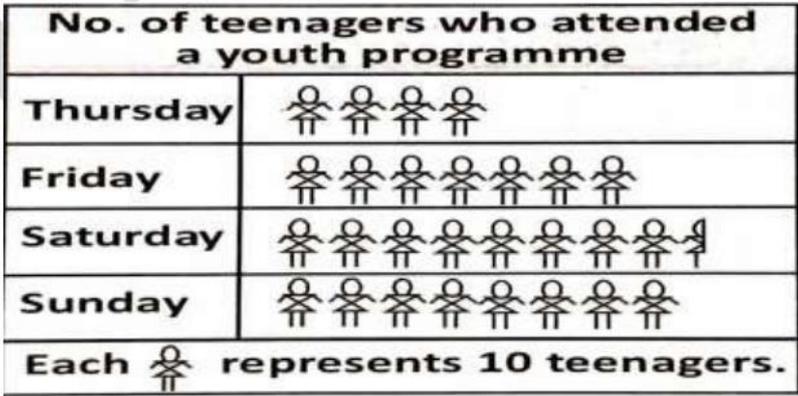
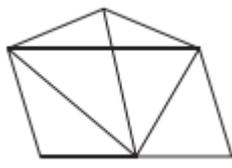(A) 280   (B) 300   (C) 200   (D) 275

9	A Jug of capacity 2 liters can be half filled by pouring 5 full mugs of water into it. How much water does the mug hold when it is full?
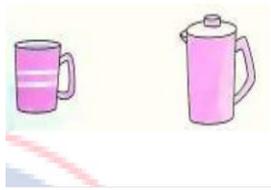
(A) 500 ml   (B) 400 ml   (C) 250 ml   (D) 200 ml

10.	How many triangles are there in the given figure?

(A) 11   (B) 12   (C) 10   (D) 14

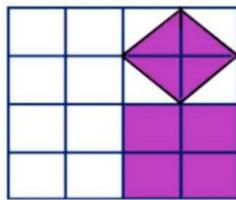|	**MATHEMATICAL REASONING**
11.	12 midnight is also written as _____ (A)0012 hours (B) 0000 hours (C) 1200 hours (D) None of these
12.	Read the time shown in the clock and choose the correct option. (A) Quarter to 7 (B) Quarter past 7 (C)Quarter past 6 (D) Quarter to 6
13.	Which of the following Roman numerals is not correct ? (A) XV (B) XIX (C) IXIV (D) XXI
14.	Study the figure given. What fraction of the figure is shaded? (A) 3/4 (B) 1/4 (C) 3/8 (D) 2/8
15.	How many minutes were there in the month of February 2004? (A) 28 x 24 x 60 (B) 30 x 24 x 60 (C) 31 x 24 x 60 (D) 29 x 24 x 60
16.	Sohan father needs to pay₹. 3000 for Sohan quarterly school fees. He has the following amount with him. How much more amount father needs so that he can pay ₹. 3000 as quarterly fees? • 1 note of ₹ 1000 • 2 notes of ₹ 500 • 4 note of ₹ 100 • 7 notes of ₹ 50 (A)₹ 150 (B) ₹ 590 (C)₹ 250 (D)₹ 190
17.	570 + _____ tens = 1000. (A) 430 (B) 530 (C) 43 (D) 50
18.	Mohit went for swimming at 2:30 p.m. and returned back home $3\frac{1}{2}$ hours later. The time he came back home is _____.

| 19. | Look at the given problem. |
| | |

19.	Look at the given problem. $$2\left[\square+\square\right]=3(\triangle+\triangle+\triangle)+6$$ If $\triangle = 2$, then what is the value of $\square$? (A) 3 (B) 7 (C) 11 (D) 6
20.	There are _____ tens in 36520. (A) 12 (B) 36 (C) 365 (D) 3652
	EVERYDAY MATHEMATICS
21.	The flight from Chennai to Dubai took off at 4:45 hours. It landed in Dubai at 9:15 hours. How long was the flight? (A) 4 hrs 50 mins (B) 3 hrs 55 mins (C) 4 hrs 30 mins (D) 4 hrs 10 mins
22.	The total number of children in a class is 40. 7 children were absent on Monday. What fraction of total children were present on Monday? (A) $\frac{7}{40}$ (B) $\frac{33}{40}$ (C) $\frac{40}{7}$ (D) $\frac{40}{33}$
23.	Which is not a prime number? A) 29 (B) 11 (C) 3 (D) 36
24.	$4\times4\times20\times20= 80\times$__ (A) 80 (B) 640 (C) 120 (D) 240
25.	A teacher brings a bag of crayons to distribute to her class of 40 children. If she plans to give 1 set of 8 crayons to each child and have no extra crayons in the bag, then how many crayons should be there in the bag? (A) 48 (B) 320 (C) 49 (D) 40
26.	What is the total length of the pole in centimeters if 30 cm long part of the pole is buried in the ground? 3.1 m 30 cm (A) 210 cm (B) 320 cm (C) 290 cm (D) 280 cm
27.	There were 3856 trees in a forest. In another forest, there were 4795 trees. How many more trees were there in the second forest? (A) 930 (B) 939 (C) 1689 (D) 1600

28.	How many of the given apples show the common multiples of 3 and 5?
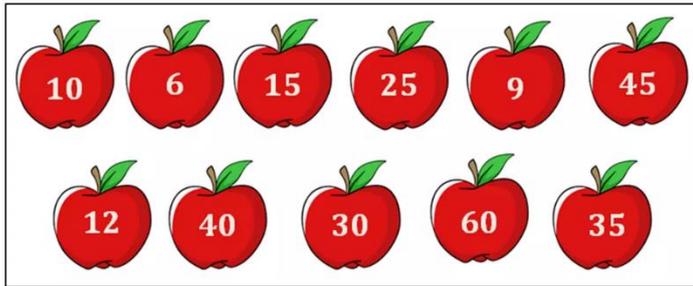
(A) 2   (B) 3   (C) 4   (D) 5

29.	Sara's user ID is a 5-digit number. The 9 is in the ten thousand place. The 0 is in the ones place. And 8 is in the thousands place. And 4 is in the tens place. And 2 is in the hundreds place. What is Sara's user ID number? (A) 90,842 (B) 98,240 (C) 89,204 (D) 98,420
30.	Which of the following is equivalent to 360 minutes? (A) 1 hour (B) 3 hours (C) 4 hours (D) 6 hours

ACHEIVER'S SECTION

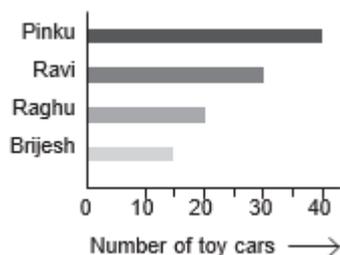| 31.	Sanchi thinks of two numbers. • The difference between the numbers is 8. • The product of the numbers is 128. • Both the numbers are even numbers. What is the sum of the value of numbers and value of smaller number? (A) 28, 4 (B) 24, 8 (C) 32, 8 (D) 24, 16
32.	When each of the following is divided by 8, only ___ has a remainder that is a prime number? (A) 564 (B) 642 (C)678 (D) 318
33.	Pinku, Ravi, Brijesh and Raghu are friends. The graph shows thenumber of toy cars each of them have. What can we conclude from the given graph? (A) Brijesh has one-third the number of toy cars Pinku has. (B) Three children have more than 20 toy cars. (C) Ravi has twice as many toy cars as Brijesh has. (D) Brijesh has 1 toy car less than Raghu
34.	Find the sum of the shaded parts of the figure given below.
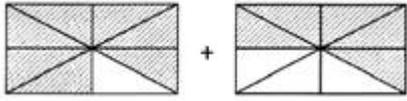
(A) $\frac{7}{8}$ (B)) $\frac{5}{8}$ (C)) $\frac{2}{8}$ (D)) $\frac{3}{2}$

35. If + + + = 1108,, then find the value of 500 – .

(A) 232   (B)) 223   (C)) 227   (D) 277

Answer key

Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer
1	B	11	B	21	C	31	B
2	A	12	B	22	B	32	B
3	B	13	C	23	D	33	C
4	B	14	C	24	A	34	D
5	D	15	D	25	B	35	B
6	D	16	C	26	D		
7	A	17	C	27	B		
8	A	18	B	28	C		
9	D	19	D	29	B		
10	C	20	D	30	D		