



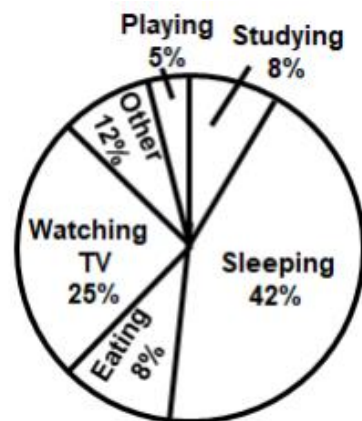
Delhi Public School Gandhinagar
Academic Session 2025-26

Total Questions: 50		Guidelines for the Candidate		Time: 1 hour	
	PATTERN & MARKING SCHEME				
	Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
	No. of Questions	14	20	11	5
	Marks per Ques.	1	1	1	1
	All the questions are compulsory.				

LOGICAL REASONING

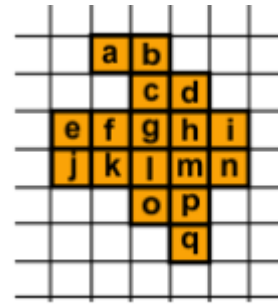
- What number should be added to 752 so that the sum becomes twice of 851?
 a) 1603 b) 99 c) 950 d) 653
- If the numerator of the fraction is 2 more than its denominator, then fraction will be written as ____
 a) $\frac{4}{6}$ b) $\frac{5}{8}$ c) $\frac{9}{16}$ d) None of these
- In a park, Richard noticed that there were 46 legs. How many people and dogs were there?
 a) 8 people and 4 dogs b) 9 people and 7 dogs
 c) 10 people and 5 dogs d) 10 people and 6 dogs
- Where will the hour hand of a clock stop if it shows 8 o'clock and turns one right angle clockwise?
 a) 8:00 b) 8:15 c) 8:20 d) 8:30
- Ajay spends his Sunday doing many activities as shown in the pie chart. How much time does he spend on watching TV?

- 6 hours
- 5 hours
- 2 hours
- 2 hours 10 min

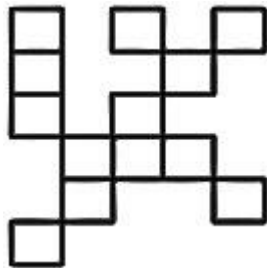


6. Removing which block would not change the perimeter of the given shape?

- a) Q
- b) A
- c) C
- d) J



7. Find the area of the given figure made up of equal squares such that the side of each square is 19 cm:



- a) 5,723 cm²
- b) 3,632 cm²
- c) 4,837 cm²
- d) 4,693 cm²

8. Add the first three common multiples of 4 and 6. Find what least number should be added to it so that it becomes the multiple of 11?

- a) 5
- b) 7
- c) 10
- d) 1

9. Length of which one of the following can be measured?

- a) Line
- b) Point
- c) Line segment
- d) Ray

10. Symbol of the Roman numbers CX is interchanged. By how much value the new Roman number is decreased?

- a) 10
- b) 5
- c) 15
- d) 20

11. Complete the series. 2, 9, 18, 29, __ 57.

- a) 40
- b) 41
- c) 42
- d) 43

12. If $X = 97$ and $B = 30$, then find the value of $2(X+Y)$

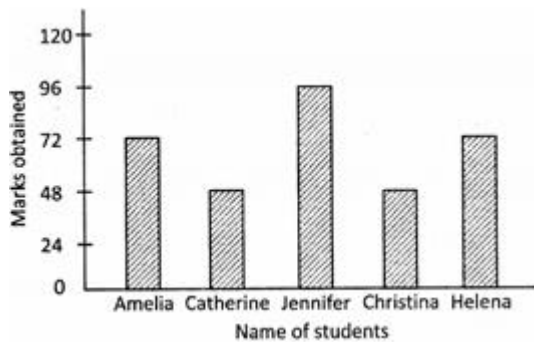
- a) 376
- b) 370
- c) 387
- d) 254

13. In which of the following figures unshaded part represents unit fraction?

- a)
- b)
- c)
- d)

14.

Direction: In the following bar graph marks obtained by five students in an examination has been shown.



Marks obtained by Helena is how much less than the marks obtained by Jennifer?

- a) 25 b) 30 c) 24 d) 20

MATHEMATICAL REASONING

15. An angle which measures more than 180 degree but less than 360 degree is called

- a) acute angle b) Obtuse angle c) reflex angle d) straight angle

16. Find the missing number.

$$45 \times 120 = 0.01 \times \underline{\hspace{2cm}}$$

- a) 545 b) 5400 c) 54000 d) 540000

17. Which of the following has greatest number of factors?

- a) 25 b) 30 c) 10 d) 20

18. The length of a rectangle is thrice its breadth. If the length of the rectangle is 24 cm, find its perimeter.

- a) 198 sq.cm b) 144 sq.cm c) 192 sq.cm d) 164 sq.cm

19. When 156 is subtracted from 3 times of a number, the result is 192. Find the number.

- a) 106 b) 116 c) 126 d) 136

20. Find the value of $0.0024 + 0.024 + 0.0204 = \underline{\hspace{2cm}}$

- a) 0.048 b) 0.0048 c) 0.4068 d) 0.0468

21. HCF of 104 and 128 is $\underline{\hspace{2cm}}$

- a) 4 b) 6 c) 8 d) None of these

22. 238850 is written in words as

- a) Two lakh thirty- eight thousand eight hundred and fifty
b) Two lakh thirty- eight thousand eight hundred and five
c) Two lakh three thousand eight hundred and five
d) Two lakh three hundred and eighty-eight and fifty

23. 1456.547 rounding off to the nearest hundredths gives a) 1456.5 b) 1460 c) 1460.55 d) 1456.55
24. Which of the following Roman Numeral represents the given sum? 1140 + 869 a) MMIX b) MCXL c) MCIX d) DXVI
25. How many thousands are there in 9200 x 5? a) 460 b) 406 c) 4600 d) 46
26. Ritu knits 848 stitches. If there are 32 stitches in each row of knitting, then how many complete rows have been knitted? a) 26 b) 28 c) 29 d) 25
27. Vijay sold 786 cupcakes in each week. How many cupcakes did he sell in 48 weeks? a) 37728 b) 48880 c) 45324 d) 43524
28. Varun cycled 63 km 322 m in a week. If he cycled the same distance everyday, then find the distance covered by him in one day. a) 6 km 49 m b) 4 km 69 m c) 9 km 46 m d) 9 km 460 m
29. A number is made up of 4 digits. The digit at the thousands place is third multiple of 2. The digit at the hundreds place is half the digit at ones place. The digit at tens place is 1 more than the digit at ones place. If the digit at tens place is 3, then what is the number? a) 6432 b) 6423 c) 6132 d) 6234
30. What is the remainder when 432873 is divided by 9? a) 0 b) 2 c) 4 d) 1
31. Find the value of 123 thousands + 48 thousands +14 hundreds + 65 tens + 6 ones a) 172436 b) 184376 c) 173056 d) 173456
32. In the addition of 23.125 and 35.624, find the place value of digit ‘7’. a) 0.07 b) 0.70 c) 7 d) 0.37
33. What must be added to 87601 to make it one million? a) 901239 b) 912399 c) 901249 d) 902391
34. What is the product of the 8 th multiple of 13 and the 6 th multiple of 4? a) 2028 b) 3248 c) 2426 d) 2496
EVERYDAY MATHEMATICS
35. In a parking lot,1 out of every 8 cars is blue. What percent of the cars in this lot are blue? a) 1.25 % b) 7 % c) 9 % d) 12.5 %
36. How many times during a day the hands of a clock make a straight line? a) 11 b) 12 c) 22 d) 24
37. Mini took 35 minutes to complete her homework. She finished her homework at 12:05 p.m. What time did she start doing her homework? a) 11:30 pm b) 11:30 am c) 12:40 am d) 12:40 pm

38. Every week Suhana saves ₹ 100 on Monday and ₹ 200 on Friday but spends ₹ 150 on Sunday. If this is her total weekly savings, how many weeks would she take to save enough to buy a ₹ 2100 mobile phone? a) 52 weeks b) 7 weeks c) 42 weeks d) 14 weeks
39. 3,00,000 people visited a park in 200 days and same number of people visited the park every day. How many people visited the park in 1 day? a) 1500 b) 150 c) 15000 d) 3000
40. There are 1482 birdhouses made at a factory each hour. What is the total number of birdhouses made at the factory in 16 hours? a) 12372 b) 21372 c) 23712 d) 23172
41. The temperature of water in a swimming pool is 53°F . Since the freezing point of water is 32°F , how many degrees would the temperature of the water have to drop to reach the freezing point? a) 9°F b) 21°F c) 20°F d) 19°F
42. Mrigank travelled 298 km north and Ajit travelled 890 km south from the same point. Find the distance between them now. a) 700 m b) 789 m c) 989 m d) 1188 m
43. A is a smallest 3-digit number and B is the number formed by reversing the digits of A. The difference between them is ____. a) 99 b) 11 c) 01 d) 22
44. In a school, number of boys is 564 more than that of girls. If there are 2500 girls in the school, find the total number of students in the school. a) 5564 b) 5560 c) 5574 d) 5770
45. Lara bought a second hand car for Rs. 976.75 and her overhead expense was Rs. 50.25. She sold it for Rs 1037. What was her gain or loss? a) ₹ 10 Gain b) ₹ 10 Loss c) ₹ 15 Gain d) None of these
ACHIEVER'S SECTION
46. Select the correct match. a) 3560- MMMDXL b) 2625- MMCDXXV c) 2894 – MMDCCCXCIV d) 3665 – MMMDCXLV
47. In the morning, the temperature was -24°C . It decreased by 6 degrees in the afternoon and increased by 20 degrees in the evening. What was the temperature in the evening? a) 4°C b) -4°C c) 24°C d) -10°C
48. Read the following statements carefully. P: The smallest number that can be divided by the given numbers without leaving any remainder is called the least common multiple. Q: The greatest number which divides two or more numbers exactly without leaving any remainder is called the highest common factor. Which of the following options hold? (a) Only P is true. (b) Only Q is true (c) Both P and Q are true (d) Neither P nor Q is true

49. While cooking a curry, the mass of it reduced from 1 kg to 850 g. Find the % reduction in the weight of the curry.

a) 30 %

b) 20%

c) 15 %

d) 50 %

50. On the basis of the given figure, few statements are made. Choose the correct option with respect to the statements: Statement 1: The weight of 3 trophies is 66 kg more than the weight of 1 trophy. Statement 2: The weight of 4 trophies is more than 150 kg.



- a) Both the statements are correct
- b) Both the statements are incorrect
- c) Only statement 1 is correct
- d) Only statement 2 is correct

ANSWER KEY

Question No.	Answer	Question No.	Answer
1	C	26	A
2	D	27	A
3	B	28	C
4	B	29	D
5	A	30	A
6	D	31	C
7	D	32	B
8	A	33	B
9	C	34	D
10	D	35	D
11	C	36	D
12	D	37	B
13	A	38	D
14	C	39	A
15	C	40	C
16	D	41	B
17	B	42	D
18	C	43	A
19	B	44	A
20	D	45	A
21	C	46	C
22	A	47	D
23	D	48	C
24	A	49	C
25	D	50	C