



Young Scholars Foundation

Prizes

MATHEMATICS

**GRADE
4**

<p>1st Rank ₹50000</p> <p>+</p> <p>Gold Medal + Certificate of Excellence</p>	<p>2nd Rank ₹25000</p> <p>+</p> <p>Silver Medal + Certificate of Excellence</p>	<p>3rd Rank ₹10000</p> <p>+</p> <p>Bronze Medal + Certificate of Excellence</p>
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**4th TO 10th
Rank
Rs 1100**

+ Certificate of Excellence

**11th TO 50th
Rank
Wrist Watch**

+ Certificate of Excellence



Instructions

Time : 1 hour

Maximum Marks : 50

- Maximum Time is 1 hour & You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
- Write your **Name, School Code, Class, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it.
- The Question Paper comprises four sections: **Mathematical Reasoning** (5 Questions), **General Maths** (15 Questions), **Logical Reasoning** (10 Questions) and **Wise Wizard** (10 Questions). Each question in Wise Wizard carries two marks each, whereas all other questions carry one mark each.
- All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
- To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only.

Roll No

Student Name

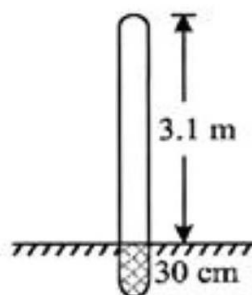
Father's Name

SECTION - A (MATHEMATICAL REASONING)

Q1. Sachin, Vansh and Yash participate in a race of 390 m. Yash finished the race in $\frac{5}{3}$ minutes, Sachin in $\frac{2}{3}$ minutes and Vansh left the race after completing half of it. Who reached first?

- a. Vansh b. Sachin c. Yash d. No one

Q2. What is the total length of the pole in centimeters if 30 cm long part of the pole is buried in the ground?

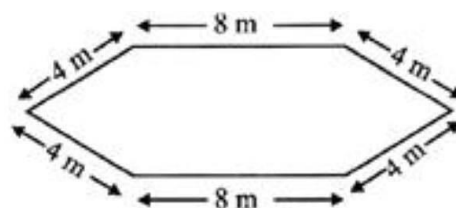


- a. 331 cm b. 340 cm c. 310 cm d. 280 cm

Q3. Raman has 8 boxes of mangoes. There are 5 mangoes in each box. Which one of the following options shows the total number of mangoes?

- a. $8+5$ b. $8-5$ c. 8×5 d. $8\div 5$

Q4. Look at the diagram of Gatita's yard. Which of the following expression can be used to find the perimeter of her yard?



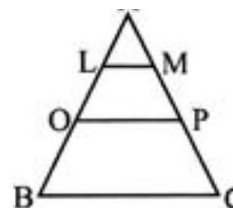
- a. $(4+4) + (2+8)$ m b. $(4+8) + (2\times 8)$ m
c. $(4\times 4) + (8\times 2)$ m d. $(4\times 8) + (2\times 8)$ m

Q5. Rohan is 18th from the either end of the row of boys. How many boys are there in the row?

- a. 26 b. 32 c. 36 d. 35

SECTION - B (GENERAL MATHS)

Q6. How many angles are there in the following figure?



- a. 3 b. 9 c. 11 d. 5

Q7. Which one of the following is the smallest odd 3-digit number?

- a. 100 b. 105 c. 103 d. 101

Q8. Fill in the blank with the number given in the following options.

$340 - 60 = 10 \times \underline{\hspace{2cm}}$

- a. 11 b. 82 c. 28 d. 24

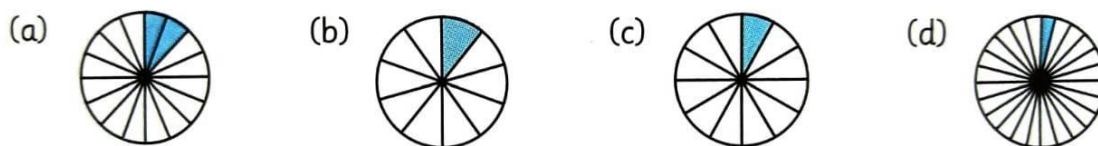
Q9. What is the smallest 5 –digit number which is palindrome?

- a. 10201 b. 23564 c. 15354 d. 10019

Q10. How many times does the digit 1 appear in numbers from 1 to 100?

- a. 23 b. 20 c. 22 d. 21

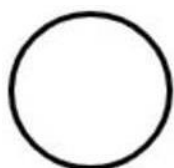
Q11. Mahesh had $\frac{1}{3}$ kg of rice He gave $\frac{1}{6}$ kg to his friend and $\frac{1}{12}$ kg to his father. Which of the following represents the fraction of rice that is left with Mahesh?



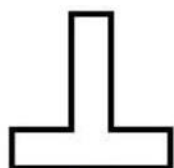
Q12. Sum of the smallest whole number, the smallest natural number and the smallest prime number is:

- a. 6 b. 3 c. 4 d. 5

Q13. Identify the shapes which can tessellate?



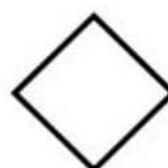
(A)



(B)



(C)

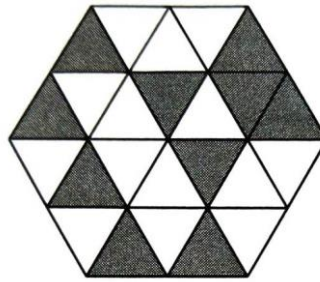


(D)

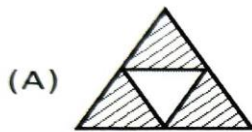
- a. A & B b. B,C&D c. None d. C &D

Q14. How many lines of symmetry does the given figure have?

- a. One line of symmetry
- b. Two lines of symmetry
- c. Four lines of symmetry
- d. No line of symmetry



Q15. In which figure does the unshaded part represents 0.3?



Q16. The greatest odd factor of 30 is

- a. 3
- b. 36
- c. 15
- d. 18

Q17. (10 hundreds) + (10 ones) = _____ tens.

- a. 10,000
- b. 1010
- c. 11000
- d. 101

Q18. If + = 1108, then find the value of 500 -

- a. 223
- b. 277
- c. 232
- d. 227

Q19. The time in America is 6 a.m. What would be the time in India if the time difference between the two places is that of 14 and a half hours?

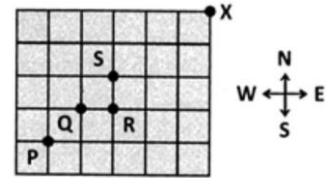
- a. 8:30 p.m.
- b. 6:30 p.m.
- c. 6 a.m.
- d. 8:00 a.m.

Q20. Which one of the following digits occurs twice in 7634592903, once in 944173 but does not occur in 6809021?

- a. 9
- b. 3
- c. 4
- d. 5

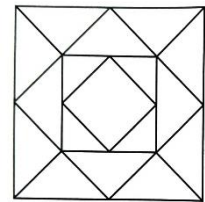
SECTION - C (LOGICAL REASONING)

Q21. In the grid, I took 2 steps east, 2 steps north, 1 step east and 1 step north and reached X. Where did I Start?



- a. P b. Q c. R d. S

Q22. How many more triangles than squares are there in the given figure?

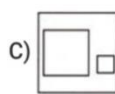
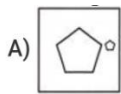


- a. 20 b. 16 c. 8 d. 12

Q23. In a certain code language, BOARD is written as 54#12 and MORE is written as 941\$. How is DREAM written in that code language?

- a. 21\$#9 b. 2\$ 1 # 9 c. 51 \$# 9 d. 25 \$#9

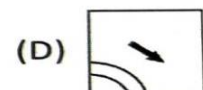
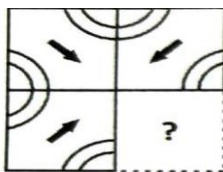
Q24. Which figure is the odd one?



Q25. Pointing to a girl, Mr. Arun said, "She is the daughter of my brother". How is the girl related to Mr. Arun?

- a. Uncle b. Nephew c. Niece d. Cousin

Q26. Which of the following figure parts will complete the figure given below?

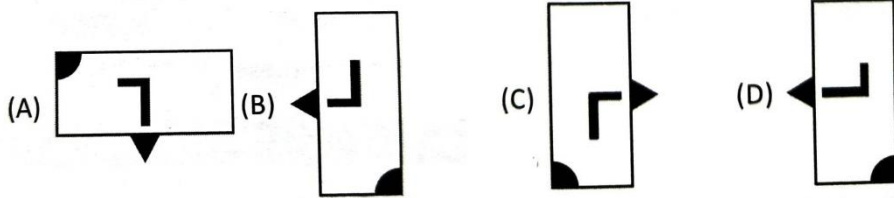
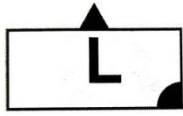


Q27. Which one of the following numbers will replace the question mark (?) in the number series given below?

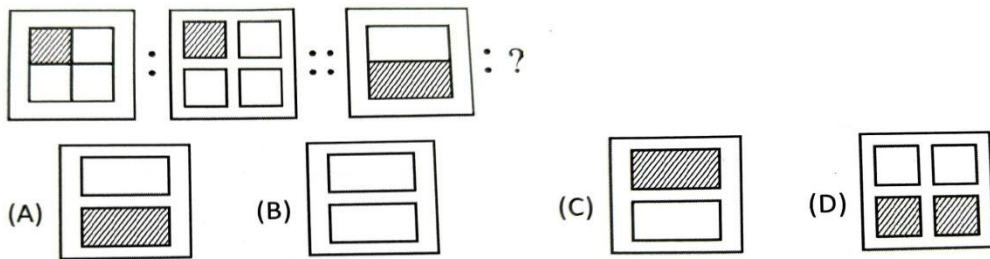
6, 13, 27, ?, 111, 223, 447

- a. 54 b. 53 c. 55 d. 101

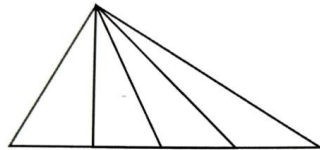
Q28. Find the view of the given figure after rotating $5\frac{3}{4}$ turn anticlockwise.



Q29. Which shape or pattern completes the second pair in the same way as the first pair?



Q30. How many triangles are there in the given figure?



- a. 12 b. 11 c. 10 d. 5

SECTION - D (WISE WIZARD)

Q31. Rahul had thrice as many stamps as Sachin. Sachin gave away 78 stamps. Rahul then had 9 times as many stamps as Sachin. How many stamps did both of them have at first?

- a. 468 b. 486 c. 351 d. 429

Q32. The value of 38 hundredths + 5697 thousandths is _____

- a. 6.088 b. 6.077 c. 6.070 d. 6.087

Q33. $\frac{2}{5}$ of Alisha's buttons are blue while the rest are white. Among the white buttons $\frac{2}{3}$ of them are square while the rest are round. What fraction of the button are white and round?

- a. $\frac{1}{5}$ b. $\frac{3}{5}$ c. $\frac{1}{3}$ d. $\frac{1}{2}$

Q34. How many times 29 should be added to itself so that sum becomes equal to the difference of 41058 and 69681?

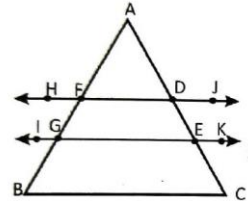
- a. 987 times b. 698 times c. 979 times d. 838 times

Q35. Breadth of a rectangle is 5 cm less than length. If breadth of the rectangle is 13 cm, find the area of the rectangle.

- a. 210 cm² b. 216 cm² c. 218 cm² d. 234 cm²

Q36. How many rays are there in the following figure?

- a. 4 b. 8 c. 12 d. 16

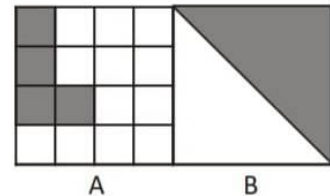


Q37. Which one of the following numbers should be multiplied by 975 in order to get the product 12 more than 675663?

- a. 693 b. 593 c. 692 d. 594

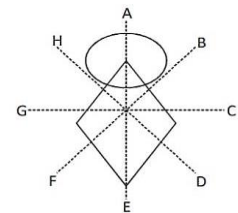
Q38. The figure is made up of two rectangles. Rectangles A and B are of equal sizes. What area of the figure is shaded?

- a. 0.350 b. 0.357 c. 0.375 d. 0.370

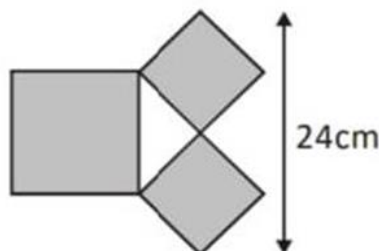


Q39. Which line is a line of symmetry of the following figure?

- a. AE b. BF c. CG d. DH



Q40. The figure below is made up of two identical squares joined to a bigger square. Find the area of the shaded part of the figure.



- a. 288 cm² b. 286 cm² c. 284 cm² d. 282 cm²

Space for rough work
