



# Young Scholars Foundation

**Prizes**

**MATHEMATICS**

**GRADE  
3**

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

+ Certificate of Excellence

**11<sup>th</sup> TO 50<sup>th</sup>  
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. The difference of two numbers is 6. The sum of the two numbers is 14. What are the two numbers?  
a. 10 and 4                      b. 14 and 6                      c. 8 and 12                      d. 18 and 4
- Q2. Which one of the following numbers is divisible by 5 and 6 both?  
a. 220                      b. 315                      c. 330                      d. 318
- Q3. I am an odd, two digit number. I have a seven in the tens place. I am greater than 77. What number am I?  
a. 81                      b. 79                      c. 77                      d. 83
- Q4. What is the way to represent 5,204?  
a.  $50 + 200 + 100 + 4$                       b.  $5000 + 200 + 100 + 4$   
c.  $500 + 200 + 100 + 4$                       d.  $5000 + 200 + 4$
- Q5. When the successor of 23 is subtracted from the predecessor of 32, the result is:  
a. the predecessor of 6                      b. the successor of 6  
c. the predecessor of 7                      d. the successor of 7

## SECTION - B (GENERAL MATHS)

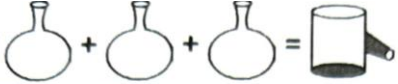





- Q6. Robin has 30 eggs. He has 2 empty cartons that can hold 12 eggs per carton. How many eggs are left with him?  
a. 6                      b. 10                      c. 16                      d. 14
- Q7.  $\square \times 8 = 56$   
 $\square + \square + \square + \square + \square = ?$
- What is the missing number?  
a. 21                      b. 28                      c. 35                      d. 42
- Q8. Subtract the product of 45 and 9 from 999. How many nines are there in the result?  
a. 44                      b. 55                      c. 66                      d. 77
- Q9. A number gives a quotient of 7 when divided by 8 but it gives a remainder of 6 when divided by 9. The number is \_\_\_\_\_  
a. 56                      b. 58                      c. 60                      d. 61

Q10. Peter has 23 coins of 25 paise, 4 coins of 50 paise and one Rs . 10 note. Find the total amount of money he has.

- a. Rs . 17.45      b. Rs . 13.40      c. Rs . 17.75      d. Rs . 17.35

Q11. After cutting 6 pieces of ribbon each 150 cm long.Kanak had 23 cm of ribbon left. What was the original length of the ribbon?


- a. 900cm      b. 877cm      c. 923cm      d. 950 cm

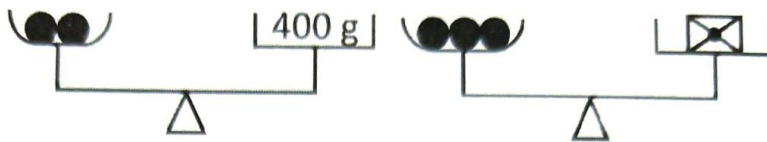
Q12. If  =  and  
 +  = 900 ml,  
 then the capacity of  +  is:

- a. 800 ml      b. 600 ml      c. 400ml      d. 300ml

Q13. A quarter of an hour = \_\_\_\_\_minutes.

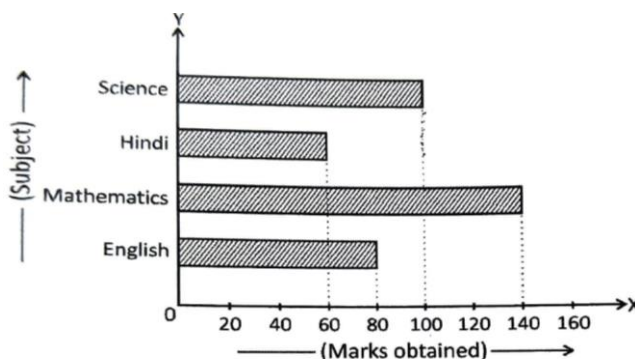
- a. 5      b. 15      c. 25      d. 35

Q14. How heavy is  ?



- a. 400 g      b. 200 g      c. 600 g      d. 800 g

Q15. Given bar graph shows the marks obtained by Susan in her first term examination.



If 150 was the maximum marks for each paper, then the marks obtained by Susan in all four subjects out of 600 is:

- a. 390      b. 380      c. 320      d. 400

Q16. What time is depicted in the clock ?



- a. Quarter to 5      b. Quarter past 5      c. half past 5      d. 5 minutes to 5

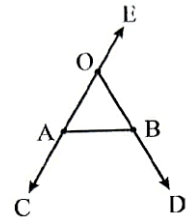
Q17. In 5623 the period of the digit 6 is \_\_\_\_\_

- a. Hundreds                      b. Ones                      c. Thousands                      d. Tens

Q18. A cuboid has \_\_\_\_\_ edges, \_\_\_ vertices, \_\_\_\_\_ faces.

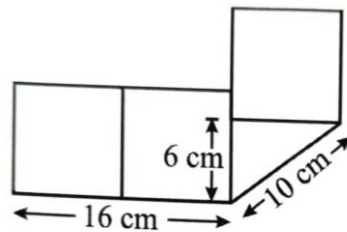
- a. 12,8,6                      b. 10,4,5                      c. 6,5,4                      d. 5,5,4

Q19. Which one of the following is not a ray in the figure shown below?



- a. AC                      b. OD                      c. CE                      d. AE

Q20. The given figure is made up of three identical squares and one triangle. Find the perimeter of the figure.



- a. 70 cm                      b. 66 cm                      c. 72 cm                      d. 76 cm

**SECTION - C (LOGICAL REASONING)**

Q21. If  $B=2$  ,  $BE=7$  and  $BEE =12$  ,then  $BEES =$  \_\_\_\_\_?

- a. 31                      b. 33                      c. 37                      d. 29

Q22. Select the correct option which will replace the (?) to form a series.



- a. 579                      b. 568                      c. 578                      d. 478

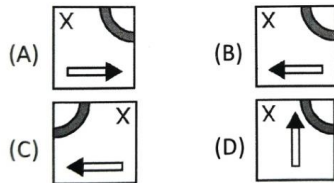
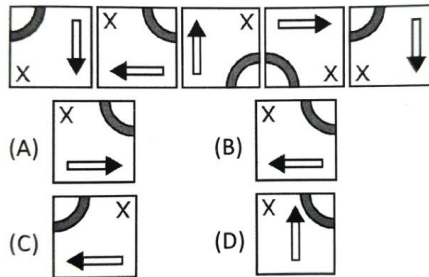
Q23. Find the next term of the given series.

$(B+G)$ ,  $(D+I)$ ,  $(F + K)$ ,  $(H+ M)$ , ?

- a.  $(L +Q)$                       b.  $(I+N)$                       c.  $(K + P)$                       d.  $(J + O)$

Q24. In a row of 9 girls, Monika is sixth from the left end. Her position from the right end is \_  
 a. Third                      b. Fourth                      c. Fifth                      d. Second

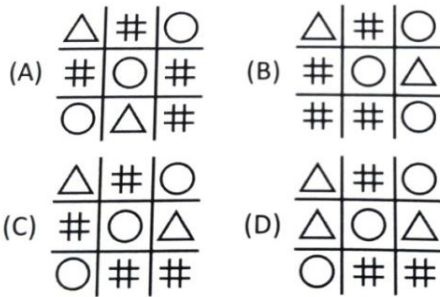
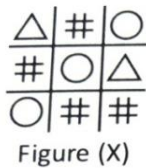
Q25. Which figure comes next in the figure pattern given below?



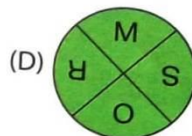
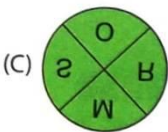
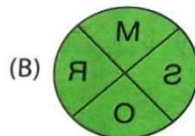
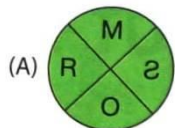
Q26. If 'Snake' is called 'Dog', 'Dog' is called 'Tiger', 'Tiger' is called 'Fox' and 'Fox' is called 'Crocodile', then who is a pet animal?

- a. Snake                      b. Tiger                      c. Dog                      d. Fox

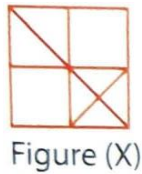
Q27. Which one of the following is similar to the question Figure (X) given below?



Q28. Select the correct mirror image of Fig. (X), if the mirror is placed along MN.



Q29. Which of the following options is exactly embedded or hidden in figure (X)?



- (A)  (B)  (C)  (D) 

Q30. Ankit walks towards east, after travelling some distance he takes a left turn and after travelling some distance he again turns to left. In which direction he will be facing now?

- a. North                      b. East                      c. West                      d. South

### SECTION - D (WISE WIZARD)

Q31. What is the missing number in the given box?

$\boxed{?}$   $\longrightarrow$  Divided by 9  $\longrightarrow$  Minus 6 = 1

- a. 81                      b. 63                      c. 72                      d. 54

Q32. A school function started at quarter to eight in the evening and ended at a quarter past ten. Aman left the function 45 minutes before it ended. At what time did Aman leave the school function?

- a. 9:20 p.m.              b. 9:30p.m.              c. 10:00 p.m.              d. 10:30 p.m.

Q33. Which of the following is equal to  $22 \times 5$ ?

- a.  $(20 \times 5) + (2 \times 5)$   
b.  $(20 \times 5) + (2 \times 50)$   
c.  $(22 \times 50) + (2 \times 5)$   
d.  $(22 \times 50) + (20 \times 5)$

Q34. A car travels a distance of 60 km in 1 hour. How many kilometers will it cover in 12 days, if it runs 3 hours per day?

- a. 2100 km              b. 2160 km              c. 720km              d. 180 km

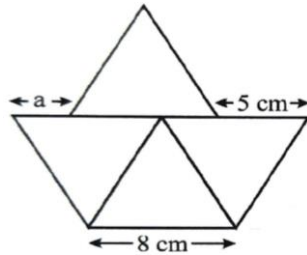
Q35. In a jar of toffees there are 6 more orange toffees than green ones and there is only one red toffee. How many orange toffees are there, if there are 47 toffees in the jar?

- a. 20                      b. 26                      c. 32                      d. 22

Q36. A calculator cost Rs. 145. How many calculator can be purchased for Rs. 1234 if one book is also purchased for Rs. 74 along with?

- a. 9                      b. 8                      c. 7                      d. 6

Q37. Figure shown below is made up of 4 identical equilateral triangles where each side of the triangle is 8 cm long. Find the perimeter of the whole figure.



- a. 52 cm                      b. 46 cm                      c. 56 cm                      d. 48 cm

Q38. The second day of a month is on Saturday. If the last date of the month is on Friday, then the total number of days in the month is:

- a. 31                      b. 30                      c. 29                      d. 28

Q39. In a correct division, the \_\_\_\_\_ of remainder and the product of quotient and the divisor is equal to the dividend.

- a. Product                      b. Sum                      c. Division                      d. Difference

Q40. The value of ♣ is 4 times as much as the value of ♠. What is the value of ♣, if ♠ - 37 is equal to 55?

- a. 638                      b. 368                      c. 836                      d. 336

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**Space for rough work**

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