



UNICUS OLYMPIADS

Sample Paper

Class 3

Unicus Non-Routine Mathematics Olympiad



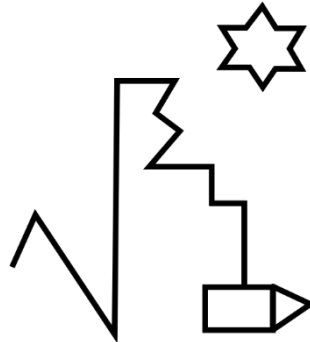
Section	Total Questions	Marks per Questions	Total Questions
Classic Section	10	3	30
Scholar Section	10	6	60
Grand Total	20		90

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7. 4 pies of equal sizes were cut as follows: Pie 1 was cut into 12 pieces, Pie 2 was cut into 8 pieces, Pie 3 was cut into 14 pieces and Pie 4 was cut into 6 pieces. From which pie should you eat so that you get the smallest piece?

- a. Pie 1
b. Pie 2
c. Pie 3
d. Pie 4

8. The difference between the number of horizontal and vertical lines in the figure is:



- a. 5
b. 3
c. 4
d. 0

9. 504 can be expressed as a product of primes numbers as:

- a. $2 \times 2 \times 2 \times 3 \times 3 \times 7$
b. $2 \times 2 \times 2 \times 2 \times 3 \times 7$
c. $2 \times 2 \times 3 \times 3 \times 3 \times 7$
d. $2 \times 3 \times 3 \times 3 \times 3 \times 7$

10. Sunny wanted to number her house as the smallest 5-digit number which can be formed by using the digits 2, 4, 5, 1, 0, 9. What will be her house number if any one number can be repeated twice?

- a. 12341
b. 11234
c. 10024
d. 11024

Scholar Section (Each Question is 6 Marks)

11. The diagram is divided into 3 smaller rectangles and a square. If the perimeter of the unshaded rectangle is 42 cm and the area of the square is 16 cm^2 , find the perimeter of the shaded region.



- a. 42 cm
b. 58 cm
c. 60 cm
d. 72 cm

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- a. 5
- c. 7

- b. 6
- d. 4

19. Shine bought a new Harry Potter book which had 234 pages. What is the total of all the page numbers of her book?

- a. 27495
- c. 54990

- b. 27261
- d. 54522

20. $\frac{1}{5}$ th of the sum of 333 thousands and 33 hundreds is _____.

- a. 336300
- c. 67260

- b. 7320
- d. 36600

Answer Key

1.	b	2.	c	3.	b	4.	d	5.	d	6.	a	7.	c
8.	c	9.	a	10.	c	11.	b	12.	c	13.	a	14.	a
15.	a	16.	b	17.	c	18.	c	19.	a	20.	c		