



MATHEMATICS

Grade 4

National Level Examination
NLE 2025

Subject Code:

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Total Questions: 30

Total Marks: 30

Time: 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use an **HB PENCIL** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **30 MULTIPLE CHOICE QUESTIONS**. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** fill in the circle that matches your answer.
- **$\frac{1}{2}$ MARK** will be deducted for every **WRONG ANSWER**.
- Return the **ANSWER SHEET** to the invigilator at the end of the examination.
- You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.



This question paper contains a total of 30 questions divided into three sections—A, B and C. Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

1.

	72	
12	6	
2	6	1

	c	
8	b	
4	a	5

If both the pyramids follow the same pattern, then find the value of $(a \times b)$.

2. If  $- 4 \star = \star$,

 +  +  +  = 60, then

find the value of  +  +  +  + .

(A) 51 (B) 36
 (C) 55 (D) 68

3.	3	20	7	X	11
	15	5	25	9	35

Find the value of X by identifying the pattern in the above table.

$$\begin{array}{r}
 4. \quad \quad \quad A \\
 + \quad \quad \quad B \\
 \hline
 A \quad C
 \end{array}$$

A, B, and C are distinct digits from 0 to 9. Find the value of $(A + B + C)$.



5. How many 8's are there in the following sequence which are immediately preceded by 6 but not immediately followed by 5?

6 8 5 8 7 8 5 4 3 6 8 1 9 8 5 4 6 8 2 8 9 6 8 1 3 6 8 5 3 6 8 5 0

(A) One (B) Two
(C) Three (D) Four

Section B (Subject Specific)

6. Which word looks the same on half-turn?

(A) WOW (B) SOON
(C) INN (D) SWIMS

7. Rani takes 2 hours to get ready to go to school, which is 5 minutes away from her home. School starts at 7:50 am. At what time should Rani get up to reach school on time?

(A) 9:50 am (B) 5:45 am
(C) 9:50 pm (D) 5:50 pm

8. Which digit should come in place of \square so that the given multiplication, $4\square8 \times 8 = 3,984$ is correct?

(A) 1 (B) 5
(C) 7 (D) 9

9. What is the product of the predecessor of 151 and the successor of 199?

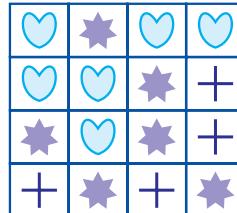
(A) 30049 (B) 30000
(C) 29850 (D) 30200

10. What is the fraction of tiles with pattern  in the given set?

(A) $\frac{6}{16}$ (B) $\frac{4}{16}$
(C) $\frac{8}{16}$ (D) $\frac{9}{16}$

11. One toy costs ₹25. Sunita bought some toys and gave ₹500 to the shopkeeper out of which he returned ₹300. How many toys did Sunita buy?

(A) 3 toys (B) 5 toys
(C) 8 toys (D) 7 toys

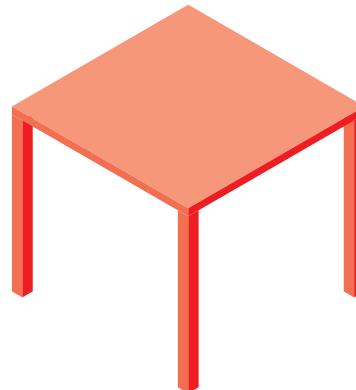




**GRADE
4**

12. Four children tried to find out the length of the lace required to cover the border of the table cloth.

- Child A added length of all 4 sides.
- Child B multiplied all 4 sides.
- Child C added length and breadth and multiplied by 2.
- Child D multiplied 4 with one side.



Among the four children, who is wrong?

(A) Child A (B) Child B
(C) Child C (D) Child D

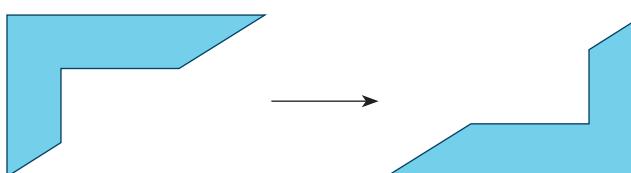
13. Which is the correct option to be put in the box to make $7.07 = 7 + \frac{7}{\square}$ true?



(A) 1 (B) 10
(C) 100 (D) 70

14. Sumit finished a storybook of Harry Potter in 25 days. He finished the book on 12 June. On which date did he start reading the storybook?
(A) 15 May (B) 1 June
(C) 19 June (D) 19 May

15. What kind of turn has been made in the given figures?



(A) Complete 1 turn (B) Half turn
(C) Quarter turn (D) 3 quarter turn

16. The place value of 9 in 8.093 is
(A) 9 tenths (B) 9 ones
(C) 9 tens (D) 9 hundredths

17. The 12th multiple of 16th composite number is
(A) 312 (B) 192
(C) 320 (D) 198

18. Out of a sack of 50 kg of rice, 27 kg 650 g was used in a restaurant during a certain week. How much rice is left in the sack?

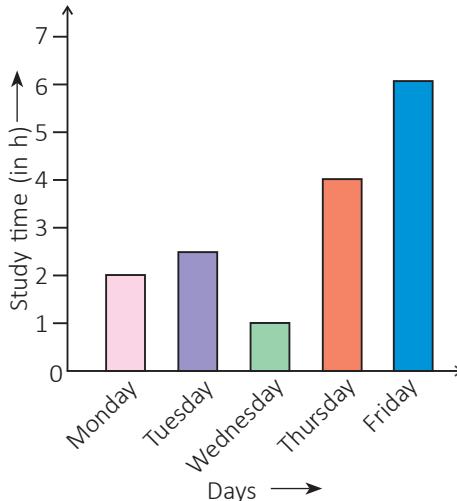
(A) 22 kg 350 g (B) 23 kg 350 g
(C) 22 kg 650 g (D) 23 kg 450 g

19. If 15th August, 1947 was Sunday then what was 15th August, 1948?

(A) Tuesday (B) Monday
(C) Saturday (D) Sunday

20. Geeta is studying for the preparation of the entrance exam. The graph alongside shows the number of hours she spent studying for 5 days. How many more hours did Geeta spend studying on Friday than on Wednesday?

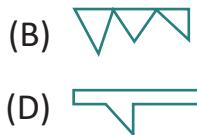
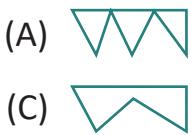
(A) 4 hours
(B) 5 hours
(C) 6 hours
(D) 7 hours



21. Jatin had a wooden cube with one side painted. He painted the rest of the sides. How many sides did he paint?

(A) 6 (B) 5
(C) 3 (D) 2

22. Which piece can be put together with the given shape to make a complete square?



23. Sonu is making a tablecloth of dimensions $80\text{ cm} \times 30\text{ cm}$. She decorated it with 50 small rectangular patches. What are the dimensions of each patch?

(A) $24\text{ cm} \times 24\text{ cm}$ (B) $8\text{ cm} \times 6\text{ cm}$
(C) $8\text{ cm} \times 3\text{ cm}$ (D) 2400 cm

24. A box of pens contains 20 pens. How many such boxes are required to pack 1640 pens?

(A) 82 (B) 85
(C) 80 (D) 88

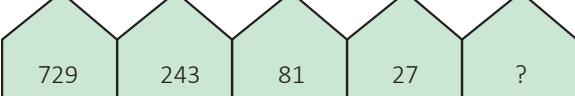


**GRADE
4**

25. A farmer has a square field of side 22 m. To fence it he decided to make 2 rounds of wire. What is the length of wire required?

(A) 44 m (B) 88 m
(C) 176 m (D) 484 m

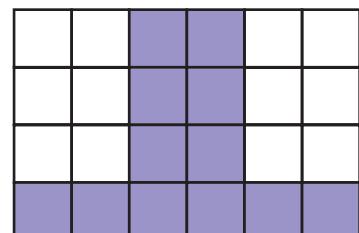
Section C (Competency Enhancement)

26. 

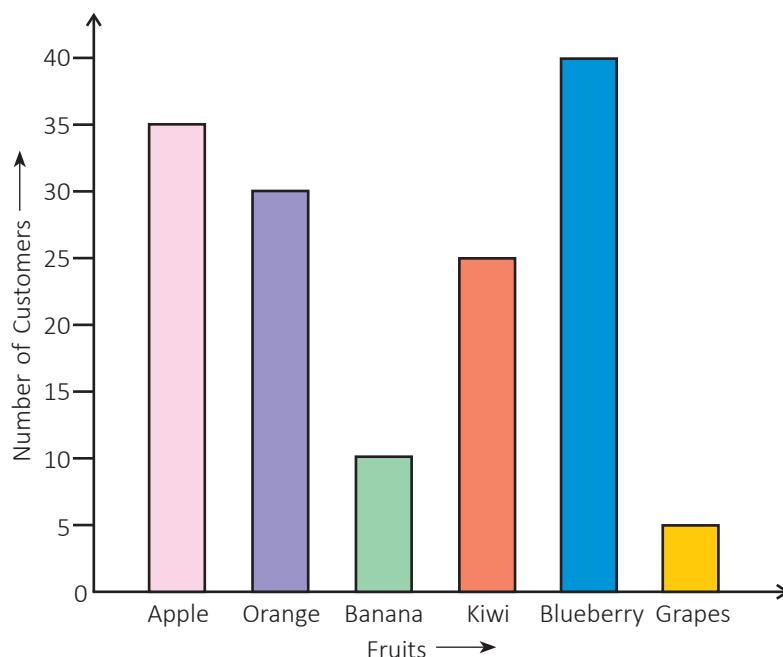
(A) 6 (B) 9
(C) 3 (D) 1

27. Find the perimeter of the shaded part of the given figure, if each side of \square is 2 cm.

(A) 42 cm (B) 44 cm
(C) 46 cm (D) 40 cm



Directions (Qs 28–30): The graph shows the number of customers who bought different kinds of fruits at a fruit shop.



Based on the graph information answer the following questions.

28. Which fruit is bought by the most number of customers?

(A) Apple (B) Orange
(C) Blueberry (D) Kiwi



29. Which fruit purchased is one-third of orange?

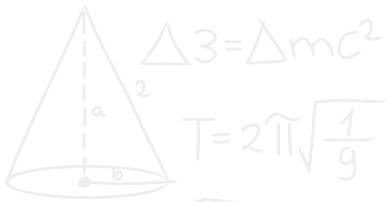
(A) Apple (B) Kiwi
(C) Grapes (D) Banana

30. What is the total number of customers who bought the fruits?

(A) 135 (B) 140
(C) 145 (D) 150

GRADE
4

$$a^3 + b^3 = (a+b)(a^2 - ab + b^2)$$



$$V_n^k = \frac{n^1 - (n-k)^1}{(n-k)^1}$$

$$N \frac{3}{8} = 0.375 = 37.5\%$$

$$\sum^1 \frac{(-1)^n x^{2n}}{(2n)}$$



$$A_3 = \Delta mc^2$$

$$T = 2\pi\sqrt{\frac{1}{g}}$$

$$\sum^1 \frac{(-1)^n x^{2n}}{(2n)}$$

$$f(x) = a(-x) + b = -(ax-b)$$

$$E = mc^2$$

$$\frac{x}{a^2} + \frac{y}{b^2} - \frac{z}{c^2} = 1$$

$$T = 2\pi\sqrt{\frac{1}{g}}$$