



MATHEMATICS

Grade 4

National Level Examination

NLE 2024

Subject Code:

2	0	1
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Total Questions: 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. Jiya is younger than Diya. Piya is older than Tiya. Tiya is older than Jiya. Who among the four is the youngest?

- (A) Jiya (B) Diya
(C) Piya (D) Tiya

2. Which of the following gives the water image of  ?

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




3. Which of the following values will replace the question mark in the given number image?



- (A) 7 (B) 8
(C) 36 (D) 5
4. In the word SUBTRACTION, what fraction of letters are vowels?
- (A) $\frac{2}{6}$ (B) $\frac{6}{11}$
(C) $\frac{4}{11}$ (D) $\frac{5}{11}$
5. In a certain code, DEAF is written as 3587 and FILE is written as 7465. How is LEAD written in that code?
- (A) 6853 (B) 6583
(C) 5836 (D) 6538



Section B (Subject Specific)

6. Which rule is followed by given pattern?
1050, 1062, 1074, 1086
- (A) Division by 10
(B) Multiplication of 2
(C) Addition of 12
(D) Subtraction of 6
7. $2,007 - 207 = 1,300 + \underline{\hspace{2cm}}$.
- (A) 1,800
(B) 910
(C) 507
(D) 500
8. What is the value of 98,621 when rounded off to the nearest thousand?
- (A) 9900
(B) 100000
(C) 9000
(D) 99000
9. Which of the following will replace the question mark in the given data?
- 200 180 ? 110 60
- (A) 140
(B) 150
(C) 160
(D) 90
10. What is the weight of 1  if
-  = 
- (A) 150 g
(B) 250 g
(C) 300 g
(D) 350 g
11. Which of the following is divisible by 6?
- (A) 7,211
(B) 1,471
(C) 2,352
(D) 7,060
12. What will be the time 3 hours 17 minutes before 6:00 pm?
- (A) 2:00 pm
(B) 2:43 pm
(C) 2:45 pm
(D) 3:33 pm





13. Roma ate $\frac{7}{13}$ of a pizza and Reeta ate $\frac{1}{13}$ of the same pizza. What fraction of the pizza was left?

(A) $\frac{3}{13}$

(B) $\frac{4}{13}$

(C) $\frac{5}{13}$

(D) $\frac{6}{13}$

14. What will be the 15th multiple of 8?

(A) 130

(B) 110

(C) 90

(D) 120

15. What is the value of 0.06?

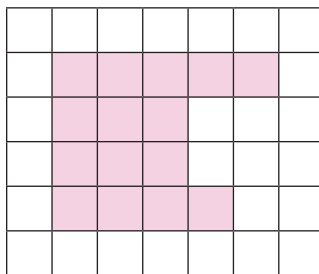
(A) $\frac{6}{10}$

(B) $\frac{6}{1000}$

(C) $\frac{6}{100}$

(D) 0.006

16. What is the perimeter of the shaded part?



(A) 19 cm

(B) 22 cm

(C) 21 cm

(D) 20 cm

17. What is the expanded form of $66.6 =$ _____.

(A) $60 + 6 + \frac{6}{10}$

(B) $60 + 10 + \frac{6}{100}$

(C) $606 + \frac{6}{100}$

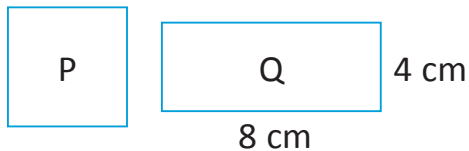
(D) $666 + \frac{6}{100}$



18. Movers & Packers has been hired to deliver new furniture to a publishing house. It will use 21 vans to move the furniture. If each van holds 545 items. How many pieces of furniture will be delivered to the publishing house?

- (A) 12,925 (B) 11,445
(C) 10,925 (D) 10,445

19. The perimeters of the given square P and rectangle Q are equal. Find the side of following square P:



- (A) 6 cm (B) 8 cm
(C) 32 cm (D) 36 cm

20. Mrs Mehra travelled 365 km 950 m by car and 1634 km 90 m by air. What distance did she travel in all?

- (A) 1,899 km 990 m (B) 1,999 km 940 m
(C) 2,000 km 40 m (D) 2,000 km 450 m

21. In which kind of graphs are pictures used to represent the data?

- (A) Pictograph (B) Bar graph
(C) Line graph (D) Pie chart

22. My father covered his journey to Chandigarh from Delhi by car which took 4 hours 20 minutes and my brother covered the same journey by train which took 3 hours 35 minutes. By what time was the train faster than the car?




- (A) 7 hours 55 minutes (B) 1 hour 45 minutes
(C) 45 minutes only (D) 1 hour 15 minutes

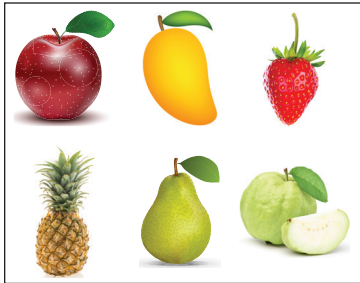
23. There are 90 rows of seats in a theatre. Each row has the same number of seats. If there are a total of 1,620 seats, how many seats are there in each row?

- (A) 19 (B) 17
(C) 20 (D) 18

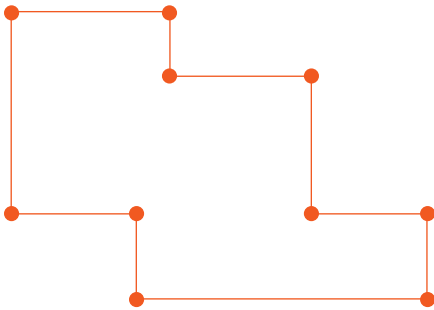




24. In the set of fruits in the shop, Shanaya picked up  and Shaurya picked  and . What fraction of fruits are left in the shop?





- (A) $\frac{2}{6}$ (B) $\frac{3}{6}$
 (C) $\frac{1}{6}$ (D) $\frac{4}{6}$
25. How many line segments are there in the given figure?

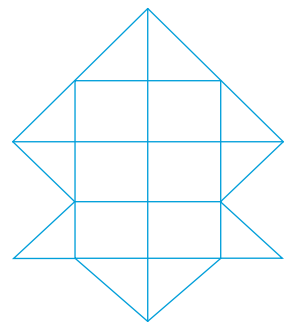


- (A) 10 (B) 8
 (C) 9 (D) 11

Section C (Competency Enhancement)

26. If each  is 1 square unit and each  is $\frac{1}{2}$ a square unit, then find the area of the given figure.

- (A) 9 sq cm (B) 10 sq cm
 (C) 11 sq cm (D) 12 sq cm



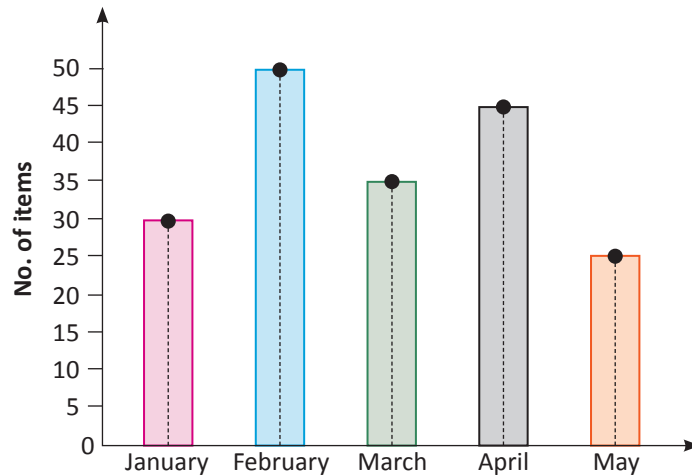


27. Which rule can be applied for the following table?

x	8	9	2	5
y	16	18	4	10

- (A) $x - 2 = y$ (B) $x \times 2 = y$
(C) $y \times 2 = x$ (D) $x + 2 = y$

The graph shows the sale of TV sets in different months. Based on the given information, answer the questions from 28 to 30.



28. What is the difference of items of sale in February and May?

- (A) 25 items (B) 30 items
(C) 35 items (D) 40 items

29. If one TV costs ₹50,000, then what is the difference in the amount collected in May as compared to January?

- (A) ₹10,00,000 (B) ₹2,50,000
(C) ₹2,00,000 (D) ₹1,50,000

30. What is the total sale of TV sets in five months?

- (A) 250 (B) 200
(C) 190 (D) 185





$\sqrt{a-\sqrt{b}}$

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

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

$\lim_{x \rightarrow \infty} f(x) = \pm \infty$

$\int \frac{1}{x} dx = \ln|x| + c$

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

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

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

$y = bxn$

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

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

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

$\Delta 3 = \Delta mc^2$

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

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

$\Delta 3 = \Delta mc^2$

$P = nkt$

$E = mc^2$

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

$E = mc^2$

$\int \frac{1}{x} dx = \ln|x| + c$

$E = mc^2$

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

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

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

$E = mc^2$

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

$P = \frac{F}{S}$

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