



School Level Examination
SLE 2024

SET:

I



MATHEMATICS

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**. Each question carries one mark. Use the information provided to choose the **BEST** answer among the four possible options. On your **ANSWER SHEET** fill in the circle that matches your answer.
- Marks are **NOT** deducted for incorrect answers.
- 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.

GRADE 4

This question paper contains a total of 30 questions divided into three sections — A, B and C.

Section A (Logical Reasoning)

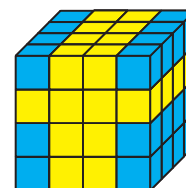
1. The large cube is made of several identical smaller blue and yellow cubes. How many of these cubes are yellow?

(A) 40

(B) 24

(C) 64

(D) 36



2. A snail climbs a well 3 feet during the day, and during night, it slips 2 feet. If the well is 30 feet deep, how long will it take for the snail to climb?

(A) 30 days

(B) 29 days

(C) 28 days

(D) 27 days

3. What is the missing term in the given pattern?

3, 7, 15, 31, ? , 127, 255

(A) 60

(B) 63

(C) 58

(D) 73

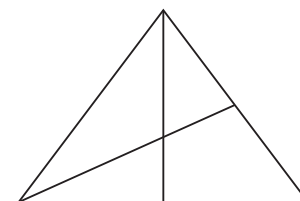
4. How many triangles are there in the given figure?

(A) 5

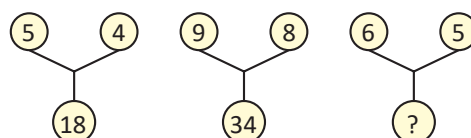
(B) 6

(C) 7

(D) 8



5. What is the value of missing number?



(A) 24

(B) 35

(C) 22

(D) 18

Section B (Subject Specific)

6. On rounding off 35,052 to the nearest 100, we get _____.

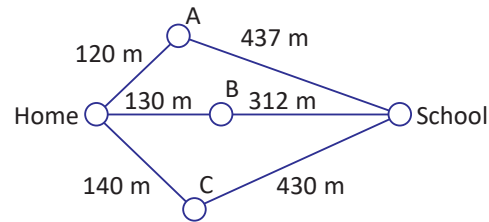
(A) 35,100

(B) 35,000

(C) 36,000

(D) 35, 060

7. Forty-five thousand three hundred is _____ 45,302.
(A) Less than (B) Greater than
(C) Equal to (D) Cannot say
8. As shown in the figure below, a student has three different routes to travel from home to school.



Determine the longest route.

- (A) Home $\longrightarrow$ A $\longrightarrow$ School (B) Home $\longrightarrow$ B $\longrightarrow$ School
(C) Home $\longrightarrow$ C $\longrightarrow$ School (D) All the distances are the same
9. X, Y and Z are formed using the given digits, and as per the given information for each.

9, 2, 5,
8, 6

X = Largest 5-digit number formed using the given digits.

Y = Second largest 5-digit number formed using the given digits.

Z = Smallest 5-digit number formed using the given digits.

Find $(X + Z) - Y$.

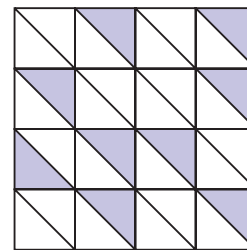
- (A) 25,716 (B) 26,706
(C) 26,813 (D) 25,689
10. A beetle has 6 legs, and a spider has 8 legs. Based on this information, identify the correct statement from the following options:



- (A) 5 hens and 2 cows have the same number of legs as 2 beetles and 1 spider.
(B) 3 cows and 6 hens have the same number of legs as 3 beetles and 1 spider.
(C) 2 ducks and 1 spider have the same number of legs as 2 beetles and 1 hen.
(D) 5 hens and 2 spiders have the same number of legs as 3 beetles and 2 cows.

**GRADE
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11. How many more small triangles should be shaded to make the given diagram $\frac{3}{4}$ shaded?



- (A) 24 (B) 15
(C) 8 (D) 19
12. A figure with 6 faces, all of which are squares of the same size is _____.
(A) Cuboid (B) Cube
(C) Rectangle (D) None of these
13. How many numbers between 1 and 100 are divisible by 3 but not by 2?
(A) 33 (B) 16
(C) 17 (D) 49
14. In a classroom, there are 30 students. Two-fifths of the students are girls. If two-thirds of the girls wear glasses and the rest do not, how many girls do not wear glasses?
(A) 20 (B) 12
(C) 8 (D) 4
15. There are _____ sixths in $1\frac{5}{6}$.
(A) 6 (B) 7
(C) 9 (D) 11
16. A bakery packages its cookies in packets, with each packet containing 6 cookies. Currently, the bakery has 5 packets of cookies. The owner wants to have 54 cookies available for a special order. How many more packets does the bakery need to pack to meet the order?
(A) 4 (B) 9
(C) 24 (D) 6
17. 723.45 less than the sum of 582.83 and 229.65 is _____.
(A) 189.20 (B) 89.03
(C) 98.53 (D) 87.04

18. If  represents 6 kites, then the number of symbols to be drawn to represent 72 kites is _____.

(A) 12

(B) 15

(C) 18

(D) 24

19. Anurag bought 2 notebooks each for ₹16.50, 5 pencils each for ₹4.50, and a pencil box for ₹36.50. He gave a 100-rupee note to the shopkeeper. What amount would the shopkeeper return him?

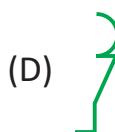
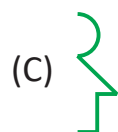
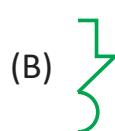
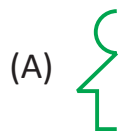
(A) ₹8

(B) ₹15.5

(C) ₹28.5

(D) ₹28

20. Choose the option which makes the given figure symmetrical.



21. What will be the time 37 minutes after 3:40 pm?

(A) 4:10 pm

(B) 4:17 pm

(C) 4:27 pm

(D) 3:57 pm

22. If the diameter of a circle is 36 cm, then the length of its radius is _____.

(A) 18 cm

(B) 72 cm

(C) 15 cm

(D) 26 cm

23. Can a chord of a circle be shorter than the radius of a circle?

(A) Yes, a chord is always shorter than the radius.

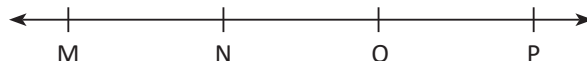
(B) Yes, a chord can be shorter than the radius.

(C) No, a chord is always double the radius.

(D) No, a chord is always longer than the radius.

GRADE 4

24. How many line segments are there in the following figure?



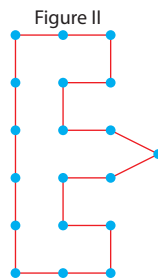
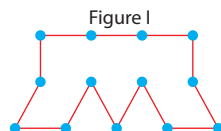
(A) 3

(B) 4

(C) 5

(D) 6

25. If the perimeter of figure I is 26 cm, then what is the perimeter of figure II?



(A) 20 cm

(B) 38 cm

(C) 40 cm

(D) 19 cm

Section C (Competency Enhancement)

26. A cricket match started at quarter to 9 a.m. and ended at half past 1 p.m. What was the duration of the match?

(A) 4 hours

(B) 3 hours 30 minutes

(C) 4 hours 45 minutes

(D) 5 hours

27. The given list shows the names of the students who are in the Sports Club.

Students in the Sports Club	
Ananya	Saumya
Shalu	Shikha
Mona	Anushka
Sonika	Parul

What fraction of names are starting with alphabet S?

(A) $\frac{1}{4}$

(B) $\frac{3}{8}$

(C) $\frac{1}{8}$

(D) $\frac{1}{2}$

28. A jeweller designed a pendant in the form of a four-sided shape where opposite sides are parallel and equal, and all angles are right angles. What is this shape?
- (A) Rectangle (B) Rhombus
- (C) Right-angled triangle (D) Kite
29. If you are given a number, say 98,76,543, what will be the difference between the place value and face value of 7 in the given number?
- (A) 70,000 (B) 69,993
- (C) 7,000 (D) 6,993
30. A container half-filled with water weighs 57 kg. When half of the water is removed, the container's weight drops to 47 kg. What is the weight of the empty container?
- (A) 17 kg (B) 25 kg
- (C) 40 kg (D) 37 kg

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MATHEMATICS