



School Level Examination  
SLE 2022

GRADE  
5

# MATHEMATICS

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** 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.

Section A (Logical Reasoning)

(This section contains 5 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

1. Which number completes the series?

2, 6, 14, 30, 62, \_\_\_\_\_.

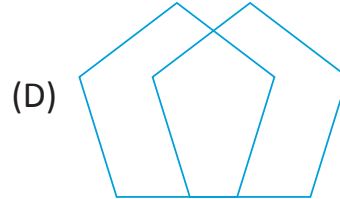
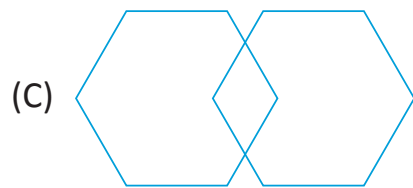
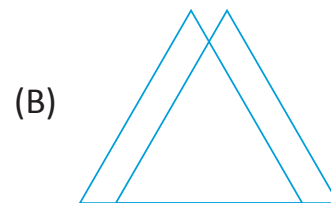
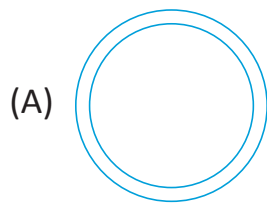
(A) 120

(B) 122

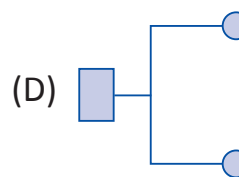
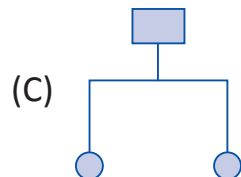
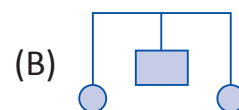
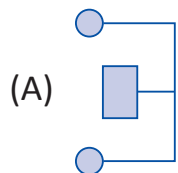
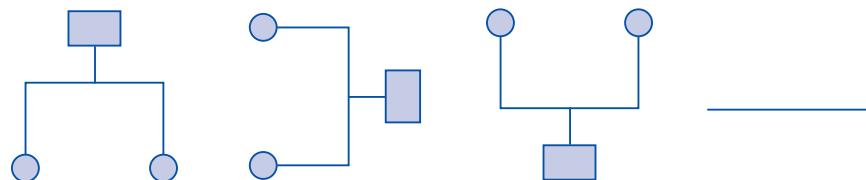
(C) 124

(D) 126

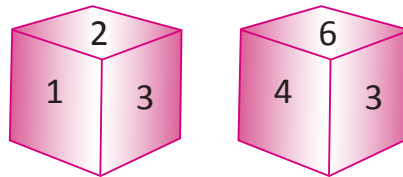
2. Which of the following is odd one out?



3. Which figure comes next in the given series?



4. If in a certain code 15789 is written as XTZAL and 2346 as NPSU, how will 23549 be written in the same code?
- (A) NPTUL (B) PNTSL  
(C) NPTSL (D) NBTSL
5. Which digit should appear opposite to 3?



- (A) 1 (B) 6  
(C) 5 (D) 2

### Section B (Subject Specific)

(This section contains 25 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

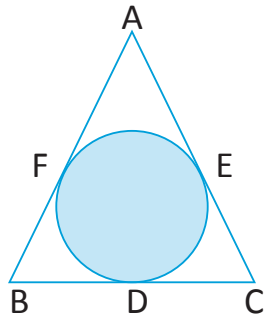
6. How many 3's are there in the product of 489 and 88?
- (A) 0 (B) 14,300  
(C) 14,344 (D) 13,843
7. 9 hour 16 minutes = \_\_\_\_\_ seconds.
- (A) 33480 seconds (B) 34080 seconds  
(C) 33360 seconds (D) 30860 seconds
8. Express 45/100 in simplest form.
- (A) 5/19 (B) 9/17  
(C) 9/20 (D) 11/20
9. A vessel has 19 L 350 mL of apple juice. In how many glasses, each of 75 mL capacity, can it be distributed?
- (A) 238 (B) 258  
(C) 288 (D) 298
10. The smallest 4-digit number which is divisible by 9 is \_\_\_\_.
- (A) 1,002 (B) 1,003  
(C) 1,007 (D) 1,008

11. Mr. Jones is 56 years old. If his daughter is  $\frac{2}{7}$  of his age. Find their total age.

- (A) 48 years (B) 49 years  
(C) 72 years (D) 61 years

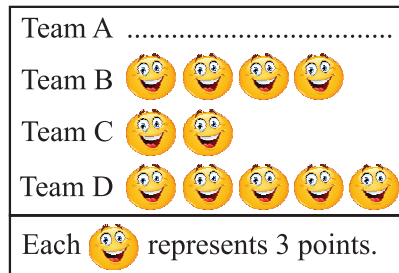
12. The incircle of triangle ABC touches BC at D, AC at E, and AB at F.

Given  $AF = 3$ ,  $BD = 4$ ,  $CE = 6$ . Find the perimeter of  $\triangle ABC$ .



- (A) 26 cm (B) 55 cm  
(C) 37 cm (D) 101 cm

The incomplete pictograph shows the number of points obtained by four teams. Study the same and answer the questions 13 and 14.



13. Team A has the highest score with 12 points more than the team with the second highest score. How many points does team A have?

- (A) 27 (B) 24  
(C) 21 (D) 30

14. Team A's score is the same as the sum of the scores made by team \_\_\_\_\_ and \_\_\_\_\_.

- (A) B and C (B) B and D  
(C) C and D (D) None of these

15.	<b>Class X</b> Total students = 30 Marks Scored above 80 = 24	<b>Class Y</b> Total students = 20 Marks Scored above 80 = 18	<b>Class Z</b> Total students = 25 Marks Scored above 80 = 17
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In which class was the fraction of students, who scored above 80, the most?

- (A) Class X (B) Class Y  
(C) Class Z (D) Both class X and Y

16.  $2\frac{5}{6}$  years = \_\_\_\_\_ months

- (A) 28 (B) 30  
(C) 32 (D) 34

17. Which of the following is not an acute angle?

- (A)  $1^\circ$  (B)  $45^\circ$   
(C)  $79^\circ$  (D)  $91^\circ$

18. Which of the following has 1 line of symmetry?

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

19. The product of a non zero whole number and its successor is always divisible by \_\_\_\_\_.

- (A) 2 (B) 3  
(C) 4 (D) 5

20. Select the correct set of symbols which will fit in the blanks:

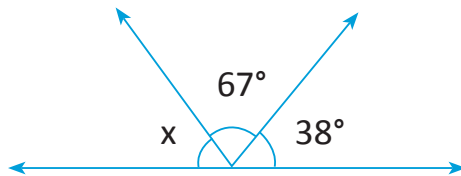
$2 \underline{\hspace{1cm}} 0 \underline{\hspace{1cm}} 3 \underline{\hspace{1cm}} 1 = 5$

- (A)  $-, +, \times$  (B)  $-, \times, +$   
(C)  $\times, \times, +$  (D)  $+, -, \times$

21. Form the second largest 6-digit number using each of the given digits 2, 0, 5, 6, 9 and 8 only once.

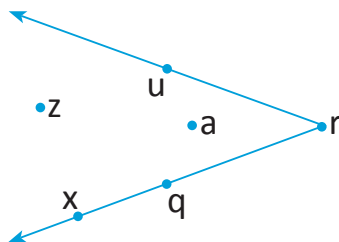
- (A) 9,86,025 (B) 9,86,205  
(C) 9,86,520 (D) 9,86,502

22. Find the value of  $x$ .



- (A)  $75^\circ$  (B)  $74^\circ$   
(C)  $73^\circ$  (D)  $72^\circ$

23. Which of the points lie in the interior of the given figure?



- (A) Points a and z (B) Points r and q  
(C) Points u and x (D) Points x and a

24. How many paise are there in ₹30.75?

- (A) 3375 p (B) 3075 p  
(C) 3175 p (D) 2075 p

25. Saloni spent ₹815.75 on buying clothes, ₹309.15 on buying fruits and vegetables, ₹168.90 on buying sweets and ₹80.50 on transport. She had 3 five hundred rupee notes in her purse. How much money was left with her?

- (A) ₹125.70 (B) ₹135.70  
(C) ₹145.70 (D) ₹155.70

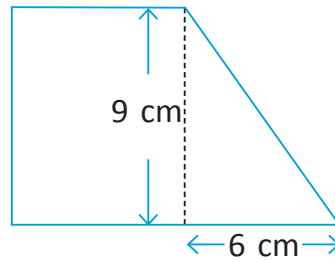
26. 1.056 L of honey is poured equally into 10 bottles. Each bottle of honey is then poured into 3 cups. The capacity of each cup is \_\_\_\_\_.

- (A) 33.8 mL (B) 34.6 mL  
(C) 35.2 mL (D) 3.52 mL

27. If the perimeter of the square is 180 cm then the length of each of its sides is \_\_\_\_\_.

- (A) 45 cm (B) 50 cm  
(C) 58 cm (D) 48 cm

28. The given figure consists of a right-angled triangle and a rectangle. If area of rectangle is  $36 \text{ cm}^2$ , then area of the given figure is \_\_\_\_\_.



- (A)  $63 \text{ cm}^2$  (B)  $66 \text{ cm}^2$   
 (C)  $76 \text{ cm}^2$  (D)  $96 \text{ cm}^2$
29. The mass of a tank fully filled with water is 60 kg. The mass of the tank is 36 kg when it is half filled. What is the mass of the empty tank?
- (A) 16 kg (B) 14 kg  
 (C) 12 kg (D) 10 kg
30. Which of the following is NOT the multiple of 8?
- (A) 8808 (B) 8148  
 (C) 8088 (D) 7096

