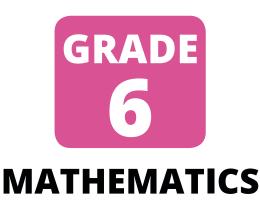


School Level Examination SLE 2023



Subject Code: 2

Total Questions: 40

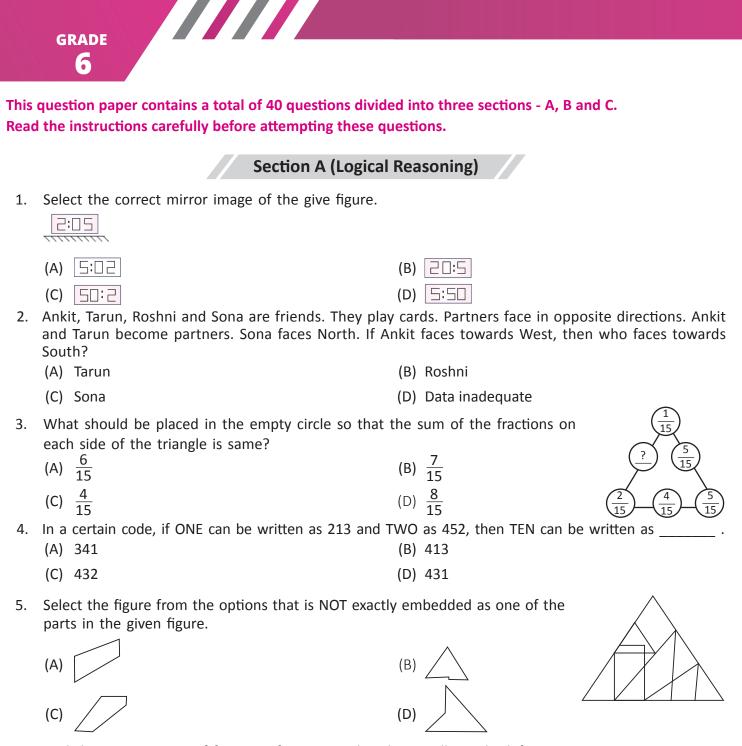
Time: 1 hour

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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 a BLUE/BLACK BALLPEN only.
- > You **MUST** record your answers on the **ANSWER SHEET** only.
- There are 40 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.
- > 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.





6. Find the mirror image of figure x, if mirror is placed vertically to the left.

>>>> [7772]

(B)

(D)

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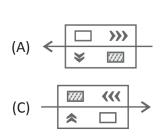
(///)

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>>>

figure x



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- 7. The sum of the ages of a father and his son is 57 years. The difference in their ages two years ago was 27 years. How old is the father now?
 - (A) 34 years

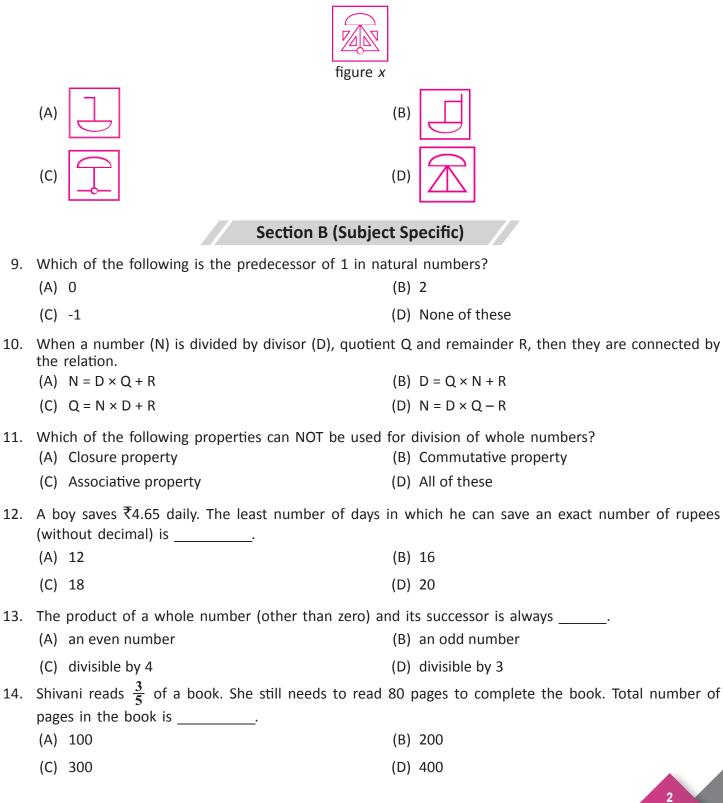
(B) 42 years

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(C) 38 years

- (D) 40 years
- 8. Which of the following figures in the given options is embedded in figure x?





- 15. The sum of two integers is 48. If one of the integer is -24, what will be the other integer?
 - (A) 62
 - (C) 50 (D) None of these

- 16. In the given figure, line segments PQ and RS intersect at the point O. Find the measure of \angle POR.
 - (A) 65°

(C) 115°

(B) 90°

(B) 72

(D) None of these

(D) Straight angle

(B) Supplementary angles

(B) (i) \rightarrow (R), (ii) \rightarrow (S), (iii) \rightarrow (P), (iv) \rightarrow (Q)

(D) (i) \rightarrow (P), (ii) \rightarrow (S), (iii) \rightarrow (Q), (iv) \rightarrow (R)

 $P \xrightarrow{O}{x} 65^{\circ} Q$

- 17. _____ is/are the angle/s whose sum measures 90°.
 - (A) Complementary angles
 - (C) Zero angle
- 18. Match the Column I and Column II.

	Column I	Column II
(i)	100 crores	(P) 1 thousand
(ii)	10 lakhs	(Q) 1 lakh
(iii)	100 thousands	(R) 1 billion
(iv)	100 tens	(S) 1 million

- (A) (i) \rightarrow (P), (ii) \rightarrow (Q), (iii) \rightarrow (S), (iv) \rightarrow (R)
- (C) (i) \rightarrow (R), (ii) \rightarrow (S), (iii) \rightarrow (Q), (iv) \rightarrow (P)
- 19. Which of the following values of the variable in the given equation solves the equation correctly?

10x - 7 = 23 (A) 2 (B) 3

- (C) 4 (D) 5
- 20. The given figure shows the number line. The number represented by **x** is ______.

	←	0.7	+			x	0.8	\rightarrow
(A) 0.74					(B)	0.76		
(C) 0.78					(D)	0.79		

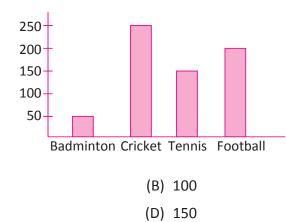
- 21. Write an expression for the given statement: "Length of the rectangle is 4 times greater than twice of the breadth."
 - (A) 2b/4 = 1 (B) 2b 4 = 1
 - (C) $I = (2b) \times 4$ (D) 2b + 4 = I



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					U
22.	The area of the adjoining figure is				8 cm N
	(A) 22 cm ²		(B) 14 cm ²		E E
	(C) 18 cm ²		(D) 28 cm ²		6 cm
23.	A regular hexagon has	sides and		_ diagonals.	2 cm
	(A) 6, 9		(B) 6,6		
	(C) 6, 3		(D) 5,6		
24.	Find the value of p, based on the data	given below:			
	$\frac{2}{3}p - 2\frac{1}{2} = 3\frac{1}{2}$				
	(A) 6		(B) -9		
	(C) 9		(D) -3		
25.	In a quiz, each student was required answer and 1 mark was deducted for and Sanvi answered 12 questions correct they both attempted all the questions?	every wrong ectly. Find the	answer. Vail	bhav answered 17 qu	estions correctly
	(A) 13		(B) 14		
	(C) 15		(D) 16		
26.	Yellow paint and blue paint are mixed paint to the volume of the blue paint 500 ml, then what is the volume of the	nt is 5 : 3. If	the differe		-
	(A) 1 L		(B) 1.5 L		
	(C) 2 L		(D) 2.25 L		
27.	A rectangle has a perimeter of 84 cm. its length.	Its length is 6	cm longer	than its breadth. Find	the measure of

(A)	18 cm	(B)	20 cm
(C)	21 cm	(D)	24 cm

28. The given graph shows the sports played by the students of a school. How many more students play Football than Badminton?



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- (A) 20
- (C) 500



Instruction: Q. 29 to 33 are two-key based questions having four options A, B, C and D out of which TWO are correct.

- 29. Angles can be constructed using either protractor or ruler and compasses. Choose the angles among the following which can be constructed using a pair of compasses and ruler:
 - (A) 30° (B) 85°
 - (C) 110° (D) 135°
- 30. Which of the following figures have only two lines of symmetry?



31. Hema is 53 years old and her daughter's age is 13 years at present. Find the ratio of the mother's age to that of her daughter when the daughter was 8 years old. Also find the ratio of their ages 3 years after their present ages.

(A)	13/53	(B) 6/1
(C)	7/2	(D) 3/2

32. One integer is greater than the other by +12. If one number is -23, then the other can be ______.
(A) 35.
(B) -35.

(A)	22	(D)	-22
(C)	-11	(D)	11

- 33. How many tiles with length and breadth 4 feet and 2 feet respectively will be needed for the flooring of a rectangular hall whose length and breadth are 64 feet and 8 feet? Find the perimeter of the given hall.
 - (A) 74 (B) 64
 - (C) 12 feet

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Section C (Competency Enhancement)

(D) 144 feet

- 34. If Dhruv's flat is at floor no. 23. He uses the stairs to reach his floor from the floor no. 4 and covers 11 floors in 2 minutes, then how many floors are still left to be covered to reach home?
 - (A) 6 (B) 7
 - (C) 8 (D) 9

35. Sona has a hobby of collecting coins. The number of 25 paise coins is five times the number of 50 paise coins. There are 120 coins in her collection. What is the amount collected by Sona?

(A) ₹35	(B) ₹37

(C) ₹40.75 (D) ₹40.50

Study the given text and answer question 36.

A natural number is called a prime number if it has no factor other than 1 and the number itself, and a natural number is called a composite number if it has at least one more factor other than 1 and the number itself.

36. The difference between the number of primes less than 50, and the number of primes which are greater than 50 but less than 100 is _____.

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

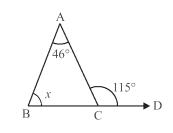
37. Consider the collection of figures below. How many figures in the image have exactly one line of symmetry?

$\longleftrightarrow \rightleftharpoons \Omega \ddagger \phi \theta$	
(A) 2	(B) 3
(C) 4	(D) 6

- 38. The population of a town was 65,673. In a year, it increased by 4,356 due to new births and people who moved in the town. However, 8,241 people died or left the town during the year. What was the population at the end of the year?
 - (A) 61,780 (B) 61,788
 - (C) 61,870 (D) 61,875

39. The number of two digit prime numbers ending with 1 at units place is ______.

- (A) 3 (B) 4 (C) 5 (D) 6
- 40. In the adjoining figure, angle **x** equals _____
 - (A) 48°
 (B) 69°
 (C) 75°
 (D) 72°



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