

CLASS 6 | SESSION 2026-27

Total Questions : 50 Time : 1 hr.

PATTERN & MARKING SCHEME

Section	No. of Questions	Marks per Ques.	Total Marks
(1) Logical Reasoning	15	1	15
(2) Subject Reasoning	20	1	20
(3) Everyday Application	10	1	10
(4) Achievers Section	5	3	15
Total	50	--	60

SYLLABUS

- Section 1** Verbal and Non-Verbal Reasoning.
- Section 2** Core Mathematics concepts and their applications.
- Section 3** Everyday application of Mathematics.
- Section 4** Higher Order Thinking Skills (HOTS) questions.

HOW TO USE THIS PAPER

- Every question is followed immediately by its answer.
- Try each question on your own first, then check the green answer card.
- Use the answer key at a glance on the last page for a quick revision.

TEST DAY INSTRUCTIONS

- The paper has 50 questions carrying a total of 60 marks.
- All questions are compulsory and there is no negative marking.
- Duration is 1 hour - aim for about 60 seconds per question.
- Read every question carefully before choosing your option.

SCORING STRATEGY

- Attempt the Logical Reasoning section first - it is the quickest to score.
- Take the 3-mark Achievers questions after finishing the 1-mark questions.
- Revisit every skipped question during the last ten minutes.

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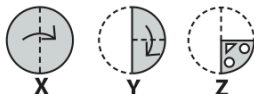
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QUESTION 1

Logical Reasoning · Logical Reasoning

1. The given question consists of a set of three figures X, Y and Z which shows the sequence of folding of a piece of paper. Fig. Z shows the manner in which the folded paper has been cut. Select a figure from the options which shows the unfolded form of Fig. Z.



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Visual pattern analysis & directional logic.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 2

Logical Reasoning · Logical Reasoning

2. Megha walks 120 m towards East, then takes a left turn and walks 60 m. She then turns left again and walks 80 m. She then takes a right turn and walks 40 m. Finally, she walks 40 m after turning to her left. How far is she now from her starting point?
- (A) 60 m (B) 100 m (C) 140 m (D) 40 m

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Coding-decoding & sequence completion.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Logical Reasoning

3. Find the number of squares formed in the given figure.
- (A) 9 (B) 10
(C) 11 (D) More than 11



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Analogy & classification reasoning.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 4

Mathematical Reasoning · Mathematical Reasoning

4. How many of the given letters have pairs of perpendicular lines?

F M A H I E

(A) 4

(B) 5

(C) 6

(D) 3

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Algebraic expressions & equations.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 5

Mathematical Reasoning · Mathematical Reasoning

5. Which of the following is the correct representation of the number of story books sold in the month of May, if 1  = 150 books?

(A) 

(B) 

(C) 

(D) 

Months	Number of books sold
May	
June	600
July	450
August	300
Total	2100

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Geometry & angle relationships.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 6

Mathematical Reasoning · Mathematical Reasoning

6. Which of the following clock timings forms a palindrome?

(A) 06:56

(B) 12:12

(C) 10:22

(D) 10:01

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Euclidean geometry & theorems.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 7

Everyday Mathematics · Mathematical Reasoning

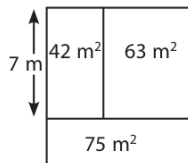
7. Riddhi joined three rectangular pieces of cloth to make a big rectangular table cloth (as shown in the given figure). Area of each rectangle is given inside. Find the cost of lacing the table cloth formed at the rate of ₹ 32 per m. (Ignore the stitching margins).

(A) ₹ 1800

(B) ₹ 1728

(C) ₹ 1290

(D) ₹ 1350



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Polynomials & financial math.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 8

Everyday Mathematics · Mathematical Reasoning

8. If the price of diesel was ₹ 68 in 2017, increased to ₹ 70 in 2018, decreased by ₹ 6 in 2019, increased by ₹ 16 in 2020, then what is the price of diesel in 2020?
- (A) ₹ 80 (B) ₹ 79 (C) ₹ 64 (D) ₹ 68

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Mensuration & 3D solid geometry.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

9. Read the given statements carefully and select the CORRECT option.

Statement-I : $\frac{4}{9}$ of the animals at the farm were cows. $\frac{1}{2}$ of the remaining animals were goats and rest were chicks. The fraction of the animals at the farm that were chicks is $\frac{5}{18}$.

Statement-II : Jyoti had a collection of 640 round, rectangular and triangular stickers. $\frac{3}{8}$ of the stickers were round, $\frac{1}{4}$ of remaining were triangular and rest were rectangular. She had 200 more rectangular stickers than triangular stickers.

- (A) Both Statement-I and Statement-II are true.
(B) Statement-I is true but Statement-II is false.
(C) Both Statement-I and Statement-II are false.
(D) Statement-I is false but Statement-II is true.

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under HOTS: Multi-concept analytical evaluation.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 10

Achievers Section · Achievers Section

- 10.** Which of the following options is INCORRECT?
- (A) 755712 is divisible by 2, 4 and 8.
(B) 1183 and 1792 are not co-prime numbers.
(C) Prime factors of 255 are 1, 3, 5 and 17.
(D) 7th multiple of greatest factor of 144 is 1008.

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under HOTS: Advanced mathematical statement verification.
- Applying the principles of Mathematics for Class 6, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

Q1
(C)

Q2
(B)

Q3
(B)

Q4
(B)

Q5
(D)

Q6
(D)

Q7
(B)

Q8
(A)

Q9
(A)

Q10
(C)

REVISION NOTES

- Attempt the section you are strongest in first - it is the quickest to score.
- Aim for about 60 seconds per question and keep an eye on the clock.
- Re-read the question before choosing an option; watch for 'NOT' and 'EXCEPT'.
- Skip and mark anything you are unsure of, then revisit it in the last ten minutes.
- Practise chapter-wise to build both speed and accuracy before the exam.

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