

BLUE PRINT

Class X Mathematics · Standard (041) & Basic (241) · Based on CBSE Sample Question Papers 2026-27 · Max. Marks 80 · Time 3 Hours

PART A • MATHEMATICS STANDARD (041)

A.1 Unit-wise Distribution of Marks by Question Type [entries: marks (number of questions)]

S. No.	Unit	MCQ (1 mark)	A–R (1 mark)	VSA (2 marks)	SA (3 marks)	LA (5 marks)	Case Study (4 marks)	Total Marks (Questions)	Unit Weightage (CBSE)
I	Number Systems	1 (1)	–	2 (1)	3 (1)	–	–	6 (3)	6
II	Algebra	4 (4)	1 (1)	–	6 (2)	5 (1)	4 (1)	20 (9)	20
III	Coordinate Geometry	2 (2)	1 (1)	–	3 (1)	–	–	6 (4)	6
IV	Geometry	1 (1)	–	2 (1)	3 (1)	5 (1)	4 (1)	15 (5)	15
V	Trigonometry	2 (2)	–	2 (1)	3 (1)	5 (1)	–	12 (5)	12
VI	Mensuration	3 (3)	–	2 (1)	–	5 (1)	–	10 (5)	10
VII	Statistics & Probability	5 (5)	–	2 (1)	–	–	4 (1)	11 (7)	11
	TOTAL	18 (18)	2 (2)	10 (5)	18 (6)	20 (4)	12 (3)	80 (38)	80

Section-wise summary: Section A – Q1 to Q20 (18 MCQ + 2 A–R) = 20 marks | Section B – Q21 to Q25 = 10 marks | Section C – Q26 to Q31 = 18 marks | Section D – Q32 to Q35 = 20 marks | Section E – Q36 to Q38 = 12 marks. Total: 38 questions, 80 marks.

Internal choice: Section B – Q21, Q22 | Section C – Q28, Q31 | Section D – Q34, Q35 | Section E – sub-part (iii) of Q36, Q37 and Q38 (2-mark parts).

A.2 Chapter-wise Distribution with Question Numbers — Mathematics Standard (041)

Unit	Ch.	Chapter	Section A (1 mark)	Section B (2 marks)	Section C (3 marks)	Section D (5 marks)	Section E (4 marks)	Chapter Marks	Unit Total
I Number Systems	1	Real Numbers	Q1	Q21	Q26	–	–	6	6
II Algebra	2	Polynomials	Q2, Q20 (A–R)	–	Q27	–	–	5	20
	3	Pair of Linear Equations in Two Variables	Q3	–	–	–	Q36	5	
	4	Quadratic Equations	Q4	–	–	Q32	–	6	
	5	Arithmetic Progressions	Q5	–	Q28	–	–	4	
III Coordinate Geometry	7	Coordinate Geometry	Q7, Q14, Q19 (A–R)	–	Q30	–	–	6	6
IV Geometry	6	Triangles	Q6	Q22	–	Q33	–	8	15
	10	Circles	–	–	Q29	–	Q37	7	
V Trigonometry	8	Introduction to Trigonometry	Q8	Q23	Q31	–	–	6	12
	9	Some Applications of Trigonometry	Q17	–	–	Q35	–	6	
VI Mensuration	11	Areas Related to Circles	Q10, Q15	Q24	–	–	–	4	10
	12	Surface Areas and Volumes	Q11	–	–	Q34	–	6	
VII Statistics & Probability	13	Statistics	Q12, Q16	–	–	–	Q38	6	11
	14	Probability	Q9, Q13, Q18	Q25	–	–	–	5	
TOTAL			20 (Q1–Q20)	10 (Q21–Q25)	18 (Q26–Q31)	20 (Q32–Q35)	12 (Q36–Q38)	80	80

PART B • MATHEMATICS BASIC (241)

B.1 Unit-wise Distribution of Marks by Question Type [entries: marks (number of questions)]

S. No.	Unit	MCQ (1 mark)	A–R (1 mark)	VSA (2 marks)	SA (3 marks)	LA (5 marks)	Case Study (4 marks)	Total Marks (Questions)	Unit Weightage (CBSE)
I	Number Systems	1 (1)	–	2 (1)	3 (1)	–	–	6 (3)	6
II	Algebra	6 (6)	–	2 (1)	3 (1)	5 (1)	4 (1)	20 (10)	20
III	Coordinate Geometry	1 (1)	–	2 (1)	3 (1)	–	–	6 (3)	6
IV	Geometry	4 (4)	1 (1)	2 (1)	3 (1)	5 (1)	–	15 (8)	15
V	Trigonometry	2 (2)	–	2 (1)	3 (1)	5 (1)	–	12 (5)	12
VI	Mensuration	1 (1)	–	–	–	5 (1)	4 (1)	10 (3)	10
VII	Statistics & Probability	3 (3)	1 (1)	–	3 (1)	–	4 (1)	11 (6)	11
	TOTAL	18 (18)	2 (2)	10 (5)	18 (6)	20 (4)	12 (3)	80 (38)	80

Section-wise summary: Section A – Q1 to Q20 (18 MCQ + 2 A–R) = 20 marks | Section B – Q21 to Q25 = 10 marks | Section C – Q26 to Q31 = 18 marks | Section D – Q32 to Q35 = 20 marks | Section E – Q36 to Q38 = 12 marks. Total: 38 questions, 80 marks.

Internal choice: Section B – Q21, Q25 | Section C – Q27, Q30 | Section D – Q33, Q35 | Section E – sub-part (iii) of Q36, Q37 and Q38 (2-mark parts).

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B.2 Chapter-wise Distribution with Question Numbers — Mathematics Basic (241)

Unit	Ch.	Chapter	Section A (1 mark)	Section B (2 marks)	Section C (3 marks)	Section D (5 marks)	Section E (4 marks)	Chapter Marks	Unit Total
I Number Systems	1	Real Numbers	Q1	Q21	Q26	–	–	6	6
II Algebra	2	Polynomials	Q2	Q23	–	–	–	3	20
	3	Pair of Linear Equations in Two Variables	Q3, Q4	–	Q31	–	–	5	
	4	Quadratic Equations	Q5	–	–	Q33	–	6	
	5	Arithmetic Progressions	Q6, Q7	–	–	–	Q37	6	
III Coordinate Geometry	7	Coordinate Geometry	Q8	Q25	Q28	–	–	6	6
IV Geometry	6	Triangles	Q15, Q16, Q20 (A–R)	–	–	Q32	–	8	15
	10	Circles	Q11, Q17	Q24	Q27	–	–	7	
V Trigonometry	8	Introduction to Trigonometry	Q14	Q22	Q29	–	–	6	12
	9	Some Applications of Trigonometry	Q13	–	–	Q35	–	6	
VI Mensuration	11	Areas Related to Circles	–	–	–	–	Q36	4	10
	12	Surface Areas and Volumes	Q18	–	–	Q34	–	6	
VII Statistics & Probability	13	Statistics	Q10, Q12	–	Q30	–	–	5	11
	14	Probability	Q9, Q19 (A–R)	–	–	–	Q38	6	
TOTAL			20 (Q1–Q20)	10 (Q21–Q25)	18 (Q26–Q31)	20 (Q32–Q35)	12 (Q36–Q38)	80	80

PART C • STANDARD vs BASIC — CHAPTER-WISE MARKS AT A GLANCE

Unit	Ch.	Chapter	Standard (041) Marks	Basic (241) Marks	Difference (Basic – Standard)
I	1	Real Numbers	6	6	0
II	2	Polynomials	5	3	-2
II	3	Pair of Linear Equations in Two Variables	5	5	0
II	4	Quadratic Equations	6	6	0
II	5	Arithmetic Progressions	4	6	+2
III	7	Coordinate Geometry	6	6	0
IV	6	Triangles	8	8	0
IV	10	Circles	7	7	0
V	8	Introduction to Trigonometry	6	6	0
V	9	Some Applications of Trigonometry	6	6	0
VI	11	Areas Related to Circles	4	4	0
VI	12	Surface Areas and Volumes	6	6	0
VII	13	Statistics	6	5	-1
VII	14	Probability	5	6	+1
TOTAL			80	80	0

Note: Unit weightage is the same in both papers; only the spread across chapters differs. Chapter numbers follow the NCERT Class X textbook. In the Basic paper, Q13 (ladder against a wall) is placed under Some Applications of Trigonometry, which matches CBSE's unit weightage of 12 marks for Trigonometry. CBSE states there is no change in the Question Paper Design and Assessment Pattern for 2026-27.



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