The black mark (▬) indicates Starting Points.
SCT: Standard Completion Time (Min./Sheet)
This is the time in which the student should complete each worksheet, including time taken for corrections. (SCT is not used in Levels 6A-5A and ZI-ZII.)

TABLE OF LEARNING MATERIALS I-1
MATHEMATICS (6A-2A) / PENCIL SKILLS PROGRAMME (ZI-ZII)

KUMON

December 2012

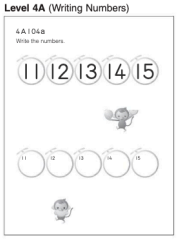
	Pencil Skills Programme			6A	5A	4A	SCT	3A	SCT	2A	SCT
ZI	1- 10	Colouring 1	1- 10	Counting (Up to 5) 1	Number Reading Exercises (Up to 30) 1	Number Tracing Exercises 1	0.5–2	Numbers up to 100 Part 1	0.5–2	Review up to 3A	1–2
	11- 20	Colouring 2	11- 20	Counting (Up to 5) 2	Number Reading Exercises (Up to 30) 2	Number Tracing Exercises 2	0.5–2	Numbers up to 100 Part 2	0.5–2	Adding 4 Part 1 (Up to 12+4)	1–2
	21- 30	Straight Lines 1	21- 30	Counting (Up to 5) 3	Number Reading Exercises (Up to 30) 3	Number Tracing Exercises 3	0.5–2	Numbers up to 100 Part 3	0.5–2	Adding 4 Part 2 (Up to 16+4)	1–2
	31- 40	Straight Lines 2	31- 40	Counting (Up to 10) 1	Number Reading Exercises (Up to 30) 4	Number Tracing Exercises 4	0.5–2	Numbers up to 100 Part 4	0.5–2	Adding 5 Part 1 (Up to 12+5)	1–2
	41- 50	Straight Lines 3	41- 50	Counting (Up to 10) 2	Number Reading Exercises (Up to 30) 5	Number Writing Exercises up to 10 Part 1	0.5–2	Numbers up to 100 Part 5	0.5–2	Adding 5 Part 2 (Up to 15+5)	1–2
	51- 60	Curved Lines 1	51- 60	Counting (Up to 10) 3	Number Reading Exercises (Up to 30) 6	Number Writing Exercises up to 10 Part 2	0.5–2	Numbers up to 100 Part 6	0.5–2	Adding up to 5 Part 1	1–2
	61- 70	Curved Lines 2	61- 70	Counting (Up to 10) 4	Number Reading Exercises (Up to 30) 7	Number Writing Exercises up to 10 Part 3	0.5–2	Numbers up to 120	1–2	Adding up to 5 Part 2	1–2
	71- 80	Curved Lines 3	71- 80	Counting (Up to 10) 5	Number Reading Exercises (Up to 30) 8	Number Writing Exercises up to 10 Part 4	0.5–2	Adding 1 Part 1 (Up to 12+1)	1–2	Adding 6 Part 1 (Up to 12+6)	1–2
	81- 90	Curved Lines 4	81- 90	Counting (Up to 10) 6	Number Reading Exercises (Up to 30) 9	Number Writing Exercises up to 10 Part 5	0.5–2	Adding 1 Part 2 (Up to 18+1)	1–2	Adding 6 Part 2 (Up to 14+6)	1–2
	91-100	Curved Lines 5	91-100	Counting (Up to 10) 7	Number Reading Exercises (Up to 30) 10	Number Writing Exercises up to 10 Part 6	0.5–2	Adding 1 Part 3 (Up to 24+1)	1–2	Adding 7 Part 1 (Up to 11+7)	1–2
ZII	1- 10	Shapes and Pictures 1	101-110	Number Reading Exercises (Up to 10) 1	Sequence of Numbers (Up to 30) 1	Number Writing Exercises up to 20 Part 1	0.5–2	Adding 1 Part 4 (Up to 30+1)	1–2	Adding 7 Part 2 (Up to 13+7)	1–2
	11- 20	Shapes and Pictures 2	111-120	Number Reading Exercises (Up to 10) 2	Sequence of Numbers (Up to 30) 2	Number Writing Exercises up to 20 Part 2	0.5–2	Adding 1 Part 5 (Up to 60+1)	1–2	Adding up to 7 Part 1	1–2
	21- 30	Shapes and Pictures 3	121-130	Number Reading Exercises (Up to 10) 3	Sequence of Numbers (Up to 30) 3	Number Writing Exercises up to 30 Part 1	0.5–2	Adding 1 Part 6 (Up to 1000+1)	1–2	Adding up to 7 Part 2	1–2
	31- 40	Shapes and Pictures (Stories) 1	131-140	Number Reading Exercises (Up to 10) 4	Sequence of Numbers (Up to 40) 1	Number Writing Exercises up to 30 Part 2	0.5–2	Adding 2 Part 1 (Up to 14+2)	1–2	Adding 8 Part 1 (Up to 11+8)	1–2
	41- 50	Shapes and Pictures (Stories) 2	141-150	Number Reading Exercises (Up to 10) 5	Sequence of Numbers (Up to 40) 2	Numbers up to 50 Part 1	0.5–2	Adding 2 Part 2 (Up to 18+2)	1–2	Adding 8 Part 2 (Up to 12+8)	1–2
	51- 60	Shapes and Pictures (Stories) 3	151-160	Number of Dots (Up to 10) 1	Sequence of Numbers (Up to 40) 3	Numbers up to 50 Part 2	0.5–2	Adding 2 Part 3 (Up to 32+2)	1–2	Adding 9 (Up to 12+9)	1–2
	61- 70	Back and Forth 1	161-170	Number of Dots (Up to 10) 2	Sequence of Numbers (Up to 50) 1	Numbers up to 50 Part 3	0.5–2	Adding 3 Part 1 (Up to 14+3)	1–2	Adding 9 and 10 (Up to 12+9 and 15+10)	1–2
	71- 80	Back and Forth 2	171-180	Number of Dots (Up to 10) 3	Sequence of Numbers (Up to 50) 2	Numbers up to 50 Part 4	0.5–2	Adding 3 Part 2 (Up to 21+3)	1–2	Adding up to 10 Part 1	1–2
	81- 90	Corners and Curves 1	181-190	Number of Dots (Up to 10) 4	Sequence of Numbers (Up to 50) 3	Numbers up to 50 Part 5	0.5–2	Adding up to 3 Part 1	1–2	Adding up to 10 Part 2	1–2
	91-100	Corners and Curves 2	191-200	Number of Dots (Up to 10) 5	Large Numbers	Numbers up to 50 Part 6	0.5–2	Adding up to 3 Part 2	1–2	Adding up to 10 Part 3	1–2

Levels ZI & ZII (Shapes and Pictures)

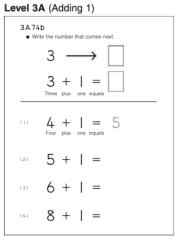
Level 6A (Counting)

Level 5A (Reading Numbers)

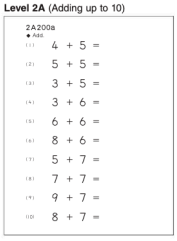
Level 4A (Writing Numbers)



Level 3A (Adding 1)



Level 2A (Adding up to 10)



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The black mark (▬) indicates Starting Points.
SCT: Standard Completion Time (Min./Sheet)
This is the time in which the student should complete each worksheet, including time taken for corrections.

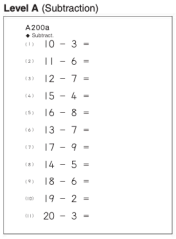
TABLE OF LEARNING MATERIALS I-2
MATHEMATICS (A-F)

KUMON

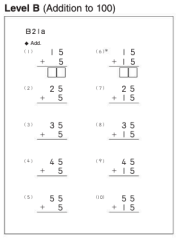
October 2016

	A	SCT	B	SCT	C	SCT	D	SCT	E	SCT	F	SCT
1- 10	Addition 1 (Review up to 2A)	1–2	Addition (Review up to A)	1–2	Review up to B	2–3	Review up to C	2–3	Review up to D	2–3	Review up to E 1	3–5
11- 20	Addition 2 (Up to sum of 12)	1–2	Addition to 100 Part 1	1–2	Multiplication up to 3	2–3	Multiplication: 2 Digits × 2 Digits 1	2–4	Addition of Fractions 1	2–3	Review up to E 2	3–5
21- 30	Addition 3 (Up to sum of 15)	1–2	Addition to 100 Part 2	2–3	Multiplication up to 5	2–3	Multiplication: 2 Digits × 2 Digits 2	2–4	Addition of Fractions 2	3–4	Multiplication and Division of 3 Fractions	4–6
31- 40	Addition 4 (Up to sum of 18)	1–2	Addition to 100 Part 3	2–3	Multiplication up to 7	2–3	Multiplication: 2 Digits × 2 Digits 3	3–4	Addition of Fractions 3	3–4	Addition of 3 Fractions 1	3–5
41- 50	Addition 5 (Up to sum of 20)	1–2	Addition of 2-Digit Numbers 1	2–3	Multiplication up to 9	2–3	Multiplication: 3 Digits × 2 Digits	3–5	Addition of Fractions 4	3–4	Addition of 3 Fractions 2	4–6
51- 60	Addition 6 (Up to sum of 24)	1–2	Addition of 2-Digit Numbers 2	2–3	Multiplication: 2 Digits × 1 Digit 1	2–4	Addition and Subtraction	2–4	Addition of Fractions 5	3–5	Addition and Subtraction of 3 Fractions	4–6
61- 70	Addition 7 (Up to sum of 28)	1–2	Addition of 2-Digit Numbers 3	2–3	Multiplication: 2 Digits × 1 Digit 2	2–4	Multiplication and Division 1	3–4	Addition of Fractions 6	3–5	Order of Operations (3 Fractions) 1	3–5
71- 80	Addition 8 (Summary of addition)	2–3	Addition of 3-Digit Numbers 1	2–4	Multiplication: 2 Digits × 1 Digit 3	2–4	Multiplication and Division 2	3–4	Addition of Fractions 7	3–5	Order of Operations (3 Fractions) 2	3–5
81- 90	Subtraction 1 (Subtracting 1)	1–2	Addition of 3-Digit Numbers 2	2–4	Multiplication: 2 Digits × 1 Digit 4	2–4	Division by 2-Digit Numbers 1	3–4	Addition of Fractions 8	3–5	Order of Operations (3 Fractions) 3	3–5
91-100	Subtraction 2 (Subtracting 2)	1–2	Addition of 3-Digit Numbers 3	3–5	Multiplication: 2 Digits × 1 Digit 5	2–4	Division by 2-Digit Numbers 2	3–5	Addition of Fractions 9	4–6	Order of Operations (3-or-More Fractions) 1	4–6
101-110	Subtraction 3 (Subtracting 3)	1–2	Subtraction 1 (Review up to A)	1–2	Multiplication: 3 or 4 Digits × 1 Digit	3–5	Division by 2-Digit Numbers 3	3–5	Subtraction of Fractions 1	3–4	Order of Operations (3-or-More Fractions) 2	4–6
111-120	Subtraction 4 (Subtracting up to 3)	1–2	Subtraction 2 (Review up to A)	2–3	Introduction to Division	2–3	Division by 2-Digit Numbers 4	3–5	Subtraction of Fractions 2	3–5	Order of Operations (3-or-More Fractions) 3	4–6
121-130	Subtraction 5 (Subtracting up to 5)	1–2	Subtraction of 2-Digit Numbers 1	2–3	Division with Remainders 1	2–3	Division by 2-Digit Numbers 5	3–5	Subtraction of Fractions 3	3–5	Order of Operations (3-or-More Fractions) 4	4–6
131-140	Subtraction 6 (From numbers up to 10)	1–2	Subtraction of 2-Digit Numbers 2	2–3	Division with Remainders 2	2–3	Division: Quotients of 2-or-More Digits 1	3–5	Addition and Subtraction of Fractions	4–6	Fractions and Decimals 1	3–5
141-150	Subtraction 7 (From numbers up to 11)	1–2	Subtraction of 2-Digit Numbers 3	2–3	Division with Remainders 3	2–3	Division: Quotients of 2-or-More Digits 2	4–6	Multiplication of Fractions 1	3–4	Fractions and Decimals 2	4–6
151-160	Subtraction 8 (From numbers up to 12)	1–2	Addition and Subtraction of 2-Digit Numbers	2–4	Division with Remainders 4	2–3	Fractions	3–5	Multiplication of Fractions 2	3–5	Fractions and Decimals 3	4–6
161-170	Subtraction 9 (From numbers up to 14)	1–2	Subtraction of 3-Digit Numbers 1	2–3	Division: 2 Digits ÷ 1 Digit 1	2–3	Reduction 1	2–3	Division of Fractions	3–5	Solving Word Problems 1	4–6
171-180	Subtraction 10 (From numbers up to 16)	1–2	Subtraction of 3-Digit Numbers 2	2–4	Division: 2 Digits ÷ 1 Digit 2	2–3	Reduction 2	2–3	Multiplication and Division of Fractions	3–5	Solving Word Problems 2	5–7
181-190	Subtraction 11 (From numbers up to 20)	1–2	Subtraction of 3-Digit Numbers 3	2–4	Division: 3 Digits ÷ 1 Digit 1	3–4	Reduction 3	2–4	Four Operations of 2 Fractions 1	3–5	Decimals 1	3–5
191-200	Subtraction 12 (Summary of subtraction)	2–3	Subtraction of 3-Digit Numbers 4	3–5	Division: 3 Digits ÷ 1 Digit 2	3–5	Reduction 4	2–4	Four Operations of 2 Fractions 2	3–5	Decimals 2	3–5

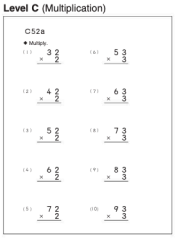
Level A (Subtraction)



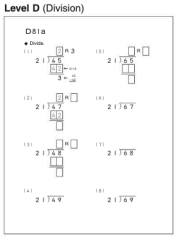
Level B (Addition to 100)



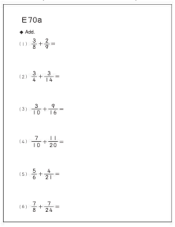
Level C (Multiplication)



Level D (Division)



Level E (Addition of Fractions)



Level F (Order of Operations)

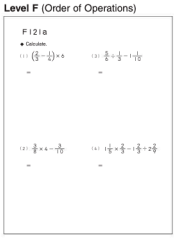


TABLE OF LEARNING MATERIALS II-1 (Level G to L)

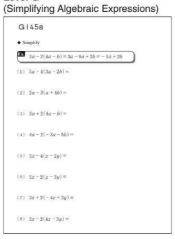
KUMON

June 2021

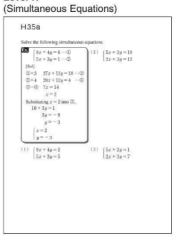
The black mark (■) indicates most suitable Starting Points.
SCT: Standard Completion Time (Min./Sheet)
This is the set time in which the student should complete each worksheet, including time taken for correction.

	G	SCT	H	SCT	I	SCT	J	SCT	K	SCT	L	SCT
1- 10	Review up to F 1	3–5	Review of G 1	4–6	Review up to H 1	4–6	Expansion of Polynomial Products	5–8	Review of Linear Functions	4–6	Logarithmic Functions	6–12
11- 20	Review up to F 2	3–5	Review of G 2	4–6	Review up to H 2	5–7	Factorisation I	5–8	Review of Quadratic Functions	5–8	Graphs of Logarithmic Functions	7–14
21- 30	Addition and Subtraction of Positive and Negative Numbers 1	2–4	Simultaneous Equations with Two Variables 1	5–8	Square Roots 1	5–7	Factorisation II	5–8	Quadratic Functions and Graphs	6–12	Logarithmic Equations and Inequalities	8–16
31- 40	Addition and Subtraction of Positive and Negative Numbers 2	3–5	Simultaneous Equations with Two Variables 2	5–8	Square Roots 2	5–7	Factorisation III	6–10	Determining Equations of Quadratic Functions	7–14	Modulus Functions	8–16
41- 50	Addition and Subtraction of Positive and Negative Numbers 3	3–5	Simultaneous Equations with Two Variables 3	5–8	Square Roots 3	5–7	Factorisation IV	6–10	Maxima and Minima of Quadratic Functions I	7–14	Limits and Derivatives	8–16
51- 60	Addition and Subtraction of Positive and Negative Numbers 4	4–6	Simultaneous Equations with Two Variables 4	5–8	Quadratic Equations 1	5–7	Factorisation V	7–12	Maxima and Minima of Quadratic Functions II	7–14	Tangents	12–24
61- 70	Multiplication of Positive and Negative Numbers	3–5	Simultaneous Equations with Two Variables 5	5–8	Quadratic Equations 2	5–7	Fractional Expressions	6–10	Maxima and Minima of Quadratic Functions III	8–16	Relative Maxima and Minima I	15–30
71- 80	Division of Positive and Negative Numbers	4–6	Simultaneous Equations with Three and Four Variables 1	6–10	Quadratic Equations 3	5–7	Irrational Numbers I	5–8	Quadratic Functions and Equations	7–14	Relative Maxima and Minima II	15–30
81- 90	Four Operations with Positive and Negative Numbers 1	4–6	Simultaneous Equations with Three and Four Variables 2	6–10	Inequalities 1	4–6	Irrational Numbers II	6–10	Quadratic Functions and Inequalities	7–14	Maxima and Minima I	15–30
91-100	Four Operations with Positive and Negative Numbers 2	4–6	Application of Equations 1	6–8	Inequalities 2	5–7	Quadratic Equations I	5–8	Quadratic Functions and Solutions of Quadratic Equations	8–16	Maxima and Minima II	15–30
101-110	Values of Algebraic Expressions 1	4–6	Application of Equations 2	6–8	Linear Functions and Graphs 1	5–7	Quadratic Equations II	6–10	Higher Degree Functions	6–12	Applications to Equations and Inequalities	15–30
111-120	Values of Algebraic Expressions 2	4–6	Simplifying Monomials and Polynomials 1	5–7	Linear Functions and Graphs 2	5–7	Quadratic Equations and Complex Numbers	6–10	Higher Degree Equations and Inequalities	7–14	Indefinite and Definite Integrals	8–16
121-130	Simplifying Algebraic Expressions 1	3–5	Simplifying Monomials and Polynomials 2	5–7	Linear Functions and Graphs 3	5–7	Discriminant	6–10	Graphs of Fractional Functions I	7–14	Definite Integrals I	12–24
131-140	Simplifying Algebraic Expressions 2	3–5	Multiplication of Polynomials	5–7	Linear Functions and Graphs 4	5–7	Root-Coefficient Relationships	6–10	Graphs of Fractional Functions II	7–14	Definite Integrals II	12–24
141-150	Simplifying Algebraic Expressions 3	4–6	Multiplication Using Formulas	5–7	Quadratic Functions and Graphs 1	6–8	Simultaneous Equations	6–10	Fractional Equations and Inequalities	8–16	Areas I	15–30
151-160	Simplifying Algebraic Expressions 4	4–6	Factorisation 1	4–6	Quadratic Functions and Graphs 2	6–8	Dividing Polynomials	6–10	Graphs of Irrational Functions	7–14	Areas II	15–30
161-170	Linear Equations 1	3–5	Factorisation 2	5–7	Quadratic Functions and Graphs 3	6–8	Remainder Theorem	6–10	Irrational Equations and Inequalities	8–16	Volumes	15–30
171-180	Linear Equations 2	4–6	Factorisation 3	5–7	The Pythagorean Theorem 1	7–10	Factor Theorem	6–10	Exponential Functions	6–12	Velocity and Distance	15–30
181-190	Linear Equations 3	4–6	Factorisation 4	5–7	The Pythagorean Theorem 2	7–10	Proof of Identities	6–10	Graphs of Exponential Functions	7–14	Summary of Differentiation and Integration I	30–60
191-200	Linear Equations 4	4–6	Factorisation 5	5–7	The Pythagorean Theorem 3	7–10	Proof of Inequalities	7–12	Exponential Equations and Inequalities	8–16	Summary of Differentiation and Integration II	30–60

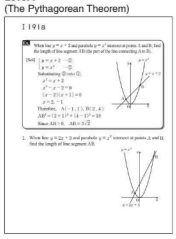
Level G
(Simplifying Algebraic Expressions)


G145a

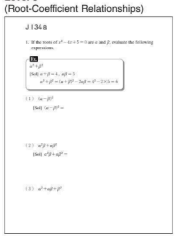
Level H
(Simultaneous Equations)


H35a

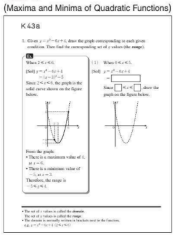
Level I
(The Pythagorean Theorem)


I191a

Level J
(Root-Coefficient Relationships)


J134a

Level K
(Maxima and Minima of Quadratic Functions)


K43a

Level L
(Relative Maxima and Minima)

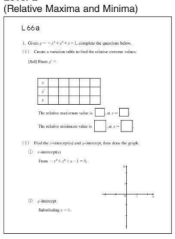

L66a

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TABLE OF LEARNING MATERIALS II-2 (Level M to X)

KUMON

March 2018

SCT: Standard Completion Time (Min./Sheet)
This is the set time in which the student should complete each worksheet, including time taken for correction.

	M	SCT	N	SCT	O	SCT
1- 10	Points and Lines I	10–20	Arithmetic Sequences	10–20	Tangents and Normals	20–40
11- 20	Points and Lines II	10–20	Geometric Sequences	10–20	Increasing/Decreasing Functions and Relative Extreme Values	25–50
21- 30	Points and Lines III	15–30	Various Sequences I	15–30	Concavity of Curves	25–50
31- 40	Circles I	15–30	Various Sequences II	15–30	Maxima and Minima	25–50
41- 50	Circles II	15–30	Recurrence Relations	20–40	Various Applications of Differentiation	25–50
51- 60	Loci I	15–30	Mathematical Induction	20–40	Indefinite Integrals I	15–30
61- 70	Loci II	15–30	Infinite Sequences	10–20	Indefinite Integrals II	15–30
71- 80	Regions	15–30	Infinite Geometric Sequences	15–30	Integration by Substitution	15–30
81- 90	Trigonometric Ratios I	10–20	Infinite Geometric Series	15–30	Integration by Parts	20–40
91-100	Trigonometric Ratios II	10–20	Infinite Series	15–30	Definite Integrals	15–30
101-110	Properties of Trigonometric Functions I	10–20	Limits of Functions I	15–30	Integration by Substitution for Definite Integrals	15–30
111-120	Properties of Trigonometric Functions II	10–20	Limits of Functions II	15–30	Integration by Parts for Definite Integrals and Functions Represented by Definite Integrals	20–40
121-130	Trigonometric Equations	10–20	Limits of Trigonometric Functions	15–30	Integration by Quadrature and Proof of Inequalities	25–50
131-140	Graphs of Trigonometric Functions	15–30	Continuous and Discontinuous Functions	20–40	Areas	25–50
141-150	Trigonometric Inequalities	15–30	Differentiation I	15–30	Volumes	25–50
151-160	Addition Formulas I	15–30	Differentiation II	15–30	Length of a Curve, Velocity and Distance	25–50
161-170	Addition Formulas II	15–30	Differentiation of Trigonometric Functions	15–30	Differential Equations	25–50
171-180	Addition Formulas III	15–30	Differentiation of Logarithmic and Exponential Functions	15–30	Natural/Social Science and Differential Equations	30–60
181-190	Sine and Cosine Rules	15–30	Differentiation of Various Functions and Higher Order Derivatives	20–40	Applications of Calculus I	30–60
191-200	Area of Triangles	15–30	Various Properties of Derivatives	25–50	Applications of Calculus II	30–60

	XV	SCT
1- 10	Surface Vectors I	6–12
11- 20	Surface Vectors II	8–16
21- 30	Surface Vectors III	8–16
31- 40	Surface Vectors IV	10–20
41- 50	Coordinates in Space	6–12
51- 60	Vectors in Space	8–16
61- 70	Basics of Inner Products of Vectors	8–16
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91-100	Vectors and Figures	10–20
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61- 70	Transformations I	8–16
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21- 30	Probability Density Function	10–20
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51- 60	Sampling	15–30
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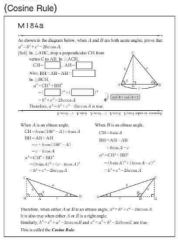
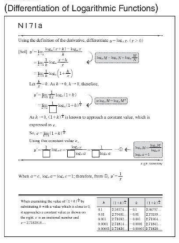
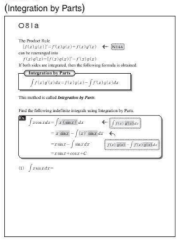
Level M
(Cosine Rule)



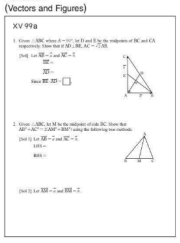
Level N
(Differentiation of Logarithmic Functions)



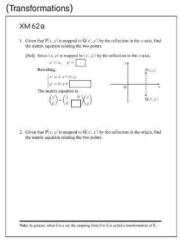
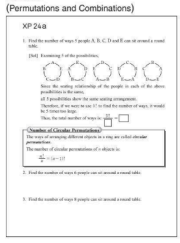
Level O
(Integration by Parts)



Level XV
(Vectors and Figures)



Level XM
(Transformations)



Level XP
(Permutations and Combinations)