IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
Junior Infants - Age 4 Mathematics			60	6	35	300	25	25
1	Study Plan	Study plan – Junior Infants						
	CHAPTER - I NUMBERS							
2	Using and applying number	0						
3	Using and applying number	The numbers 6 to 9						
4	The number system	Ordinal numbers 1 to 9						
5	Using and applying number	Zero and counting numbers 1 to 9						
6	Using and applying number	The number 10						
7	Using and applying number	Numbers 11 to 20						
8	Exam	Exam – Junior Infants						
IRISH CARRICULLAM								
Senior Infants - Age 5 Mathematics			70	6	40	400	25	25
1	Study Plan	Study plan – Senior Infants						
	CHAPTER - I NUMBERS							
2	Using and applying number	The numbers 1 to 5						
3	Using and applying number	The numbers 6 to 9						
4	The number system	Ordinal numbers 1 to 9						
5	Using and applying number	Zero and counting numbers 1 to 9						
6	Using and applying number	The number 10						
7	Using and applying number	Numbers 11 to 30						
8	Exam	Exam – Senior Infants						
IRISH CARRICULLAM								
First Class - Primary Mathematics			140	6	80	800	25	25
1	Study Plan	Study plan – First Class						
	CHAPTER - I NUMBERS							
2	Using and applying number	The numbers 1 to 5						
3	Using and applying number	The numbers 6 to 9						
4	The number system	Ordinal numbers 1 to 9						
5	Using and applying number	Zero and counting numbers 1 to 9						
6	Using and applying number	The number 10						
7	Using and applying number	Numbers 11 to 20						
8	Using and applying number	Using place value to order numbers up to 20						
9	Reasoning	Simple addition up to the number 10						
10	Reasoning	Simple addition up to the number 20						
11	Calculations	Subtraction up to the number 10						
12	Calculation sharing/division	Strategies for division						
13	Calculation-multiples	Multiples of 10 up to 100						
14	Calculations	The numbers 20 to 99						
15	Calculation 10-100	Counting by 1, 2, 5, and 10 to 100						
16	Calculation-larger numbers	The numbers 100 to 999						
17	Place value	The numbers 1000 to 9999						
	CHAPTER 2 MEASUREMENT							
18	Length	Compare length by using informal units of measurement						
19	Weight/mass	Introducing the concept of mass						
	CHAPTER 3 TIME							
20	Time, months	Months and seasons of the year						
21	Time, days of week	Days of the week						
22	Time, duration	Duration						
23	Time, minutes	Analogue – Telling time – minutes in the hour						
	CHAPTER 4 SHAPES							
24	3-D shapes	Viewing 3-D shapes.						
	CHAPTER 5 CALCULATIONS							
25	Calculations	Subtraction by Comparison						
26	Calculations	Subtraction up to the number 20 and beyond						
27	Calculation-grouping	Multiplication using equal groups						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
28	Calculation-grouping	Multiplication using repeated addition						
29	Exam	Exam – First Class						
Second Class - Primary Mathematics			150	6	100	950	25	25
1	Study Plan	Study plan – Second Class						
	CHAPTER I NUMBERS							
2	Using and applying number	The numbers 1 to 5						
3	Using and applying number	The numbers 6 to 9						
4	The number system	Ordinal numbers 1 to 9						
5	Using and applying number	Zero and counting numbers 1 to 9						
6	Using and applying number	The number 10						
7	Using and applying number	Numbers 11 to 20						
8	Using and applying number	Using place value to order numbers up to 20						
	CHAPTER 2 ADDITION AD SUBTRACTION							
9	Reasoning	Simple addition up to the number 10						
10	Reasoning	Simple addition up to the number 20						
11	Calculations	Subtraction up to the number 10						
12	Calculations	Subtraction by Comparison						
	CHAPTER 3 MULTIPLICATION							
13	Calculations	Subtraction up to the number 20 and beyond						
14	Calculation-grouping	Multiplication using equal groups						
15	Calculation-grouping	Multiplication using repeated addition						
16	Calculation-multiplication	The multiplication sign						
17	Calculation sharing/division	Strategies for division						
	CHAPTER 4 MULTIPLES							
18	Calculation-multiples	Multiples of 10 up to 100						
19	Calculations	The numbers 20 to 99						
20	Calculation 10-100	Counting by 1, 2, 5, and 10 to 100						
21	Calculation-larger numbers	The numbers 100 to 999						
22	Addition	Addition to 99						
23	Subtraction	Subtraction up to the number 99						
24	Multiplication	Multiplication – important facts.						
	CHAPTER 5 PLACE VALUE							
25	Place value	The numbers 1000 to 9999						
26	Addition	Addition up to the number 999						
	CHAPTER 5 MEASUREMNENTS							
27	Length	Compare length by using informal units of measurement						
28	Length	Using the metre as a formal unit to measure perimeter						
29	Length	Using the formal unit of the centimetre to measure length and perimeter						
30	Length	Compare and convert formal units of measurement						
	CHAPTER 6 SHAPES							
31	3-D shapes	Constructing models.						
	CHAPTER 7 MASS AND VOLUME							
32	Capacity	Using the cubic cm and displacement to measure volume and capacity						
33	Capacity	Estimate, measure and compare the capacity of containers						
34	Weight/mass	Introducing the concept of mass						
35	Weight/mass	The kilogram						
36	Weight/mass	The gram and net mass						
37	Weight/mass	The tonne – converting units and problems						
	CHAPTER 8 DECIMALS							
38	Decimals	Comparing and ordering decimals to two decimal places						
	CHAPTER 9 TIME							
39	Time, months	Months and seasons of the year						
40	Time, days of week	Days of the week						
41	Time, duration	Duration						
42	Time, minutes	Analogue – Telling time – minutes in the hour						
43	Time, units	Units of time						
	CHAPTER 10 SHAPES							

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
44	2-D shapes	Using the prefix to determine polygons						
45	2-D shapes	Spatial properties of quadrilaterals						
46	3-D shapes	Viewing 3-D shapes.						
	CHAPTER 11 ANGLES							
47	Angles	Measure and classify angles						
	CHAPTER 12 DATA							
48	Data	Pictograms						
49	Data	Bar Charts						
50	Data	Pie and bar graphs.						
51	Exam	Exam – Second Class						
Third Class - Primary Mathematics			150	6	100	950	25	25
1	Study Plan	Study plan – Third Class						
	CHAPTER 1 NUMBERS MULTIPLICATION AND DIVISION							
2	Calculation-multiplication	The multiplication sign						
3	Calculation sharing/division	Strategies for division						
4	Calculation-multiples	Multiples of 10 up to 100						
5	Multiplication	Multiplication – important facts.						
6	Multiplication	Multiples and factors of whole numbers						
11	Division	Division with and without a remainder.						
	CHAPTER 2 NUMBERS SUBTRACTION AND ADDITION							
7	Subtraction	Subtraction with borrowing						
8	Subtraction	Subtraction of two-digit numbers Involving comparison.						
9	Addition	Addition up to the number 999						
10	Subtraction	Subtraction up to the number 999 using the renaming method						
12	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
	CHAPTER 3 MEASUREMENT							
13	Length	Compare length by using informal units of measurement						
14	Length	Using the metre as a formal unit to measure perimeter						
15	Length	Using the formal unit of the centimetre to measure length and perimeter						
16	Length	Compare and convert formal units of measurement						
17	Area	Introduction to the square centimetre.						
	CHAPTER 4 SHAPES							
18	3-D shapes	Constructing models.						
	CHAPTER 5 CAPACITY							
19	Capacity	Using the cubic cm and displacement to measure volume and capacity						
20	Capacity	Using the cubic cm as a standard unit of measurement for volume and capacity						
21	Capacity	Estimate, measure and compare the capacity of containers						
22	Weight/mass	Introducing the concept of mass						
23	Weight/mass	The kilogram						
24	Weight/mass	The gram and net mass						
25	Weight/mass	The tonne – converting units and problems						
	CHAPTER 6 FRACTIONS							
26	Fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a whole						
27	Fractions	Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection						
	CHAPTER 7 DECIMALS							
28	Decimals	Introduction to decimals						
29	Decimals	Comparing and ordering decimals to two decimal places						
	CHAPTER 7 TIME							
30	Time, days of week	Days of the week						
31	Time, duration	Duration						
32	Time, minutes	Analogue – Telling time – minutes in the hour						
33	Time, units	Units of time						
34	Time, a.m. p.m.	AM and PM time						
35	Time, quarter to, past	Quarter past and quarter to						
36	Time, minutes past the hour	Minutes past						
37	Time, minutes to the hour	Minutes to						
38	Time, digital, analogue	Comparing analogue and digital time						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
39	Time, digital	O'clock and half past using digital time						
40	Time, analogue	O'clock and half past on the analogue clock						
41	Time, 24-hour	24 hour time						
	CHAPTER 8 SHAPES							
42	2-D shapes	Using the prefix to determine polygons						
43	2-D shapes	Spatial properties of quadrilaterals						
	CHAPTER 9 ANGLES							
44	Angles	Measure and classify angles						
	CHAPTER 10 DATA ANALYSIC							
45	Data	Pictograms						
46	Data	Bar Charts						
47	Data	Line graphs.						
48	Data	Pie and bar graphs.						
	CHAPTER 11 MONEY							
49	Money	Problems involving money						
50	Exam	Exam – Third Class						
Fourth Class - Primary Mathematics			160	6	100	950	25	25
1	Study Plan	Study plan – Fourth Class						
NUMBERS	**CHAPTER 1 NUMBERS SUBRATION**							
2	Subtraction	Subtraction with borrowing						
3	Subtraction	Subtraction of two-digit numbers Involving comparison.						
4	Subtraction	Subtraction up to the number 999 using the renaming method						
5	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
	CHAPTER 2 MULTIPLICATION							
6	Multiplication	Multiplication – important facts.						
7	Multiplication	Multiples and factors of whole numbers						
8	Multiplication	Multiplication using extended algorithms.						
9	Multiplication	Multiplication by 2 and 3 digits						
	CHAPTER 3 NUMBERS DIVISION							
10	Division	Division with and without a remainder.						
11	Division	Dividing two and three digit numbers by a single digit number.						
12	Division	Divide whole numbers by a 2 digit divisor						
13	Problems	Solve and record division using known facts and sharing						
	CHAPTER 4 FIVE DIGIT NUMBERS							
14	Counting and numeration	The numbers 10 000 to 99 999						
15	Counting and numeration	Addition to 9999 and beyond						
	CHAPTER 5 MEASUREMENT							
16	Length	Using the metre as a formal unit to measure perimeter						
17	Length	Using the formal unit of the centimetre to measure length and perimeter						
18	Length	Read and calculate distances on a map using the formal unit kilometre						
19	Length	Compare and convert formal units of measurement						
20	Area	Introduction to the square centimetre.						
	CHAPTER 6 SHAPES							
21	2-D shapes	Using the prefix to determine polygons						
22	2-D shapes	Spatial properties of quadrilaterals						
23	3-D shapes	Constructing models.						
	CHAPTER 7 CAPACITY							
24	Capacity	Using the cubic cm and displacement to measure volume and capacity						
25	Capacity	Using the cubic cm as a standard unit of measurement for volume and capacity						
26	Capacity	The relationship between the common units of capacity, the litre and the millilitre						
27	Capacity	Converting between volume and capacity using kilolitres and litres						
28	Capacity	Estimate, measure and compare the capacity of containers						
29	Weight/mass	The kilogram						
30	Weight/mass	The gram and net mass						
31	Weight/mass	The tonne – converting units and problems						
32	Area	Comparing and ordering areas.						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
	CHAPTER 8 FRACTION							
33	Fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a whole						
34	Fractions	Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection						
35	Fractions	Comparing and ordering fractions						
36	Fractions	mixed numbers (mixed numerals)						
	CHAPTER 9 DECIMALS							
37	Decimals	Introduction to decimals						
38	Decimals	Comparing and ordering decimals to two decimal places						
39	Decimals	Decimals with whole numbers 10th and 100th						
40	Decimals	Adding decimals to two decimal places						
	CHAPTER 10 TIME							
41	Time, duration	Duration						
42	Time, minutes	Analogue – Telling time – minutes in the hour						
43	Time, units	Units of time						
44	Time, a.m. p.m.	AM and PM time						
45	Time, analogue	O'clock and half past on the analogue clock						
46	Time, quarter to, past	Quarter past and quarter to						
47	Time, minutes past the hour	Minutes past						
48	Time, minutes to the hour	Minutes to						
49	Time, digital, analogue	Comparing analogue and digital time						
50	Time, digital	O'clock and half past using digital time						
51	Time, 24-hour	24 hour time						
	CHAPTER 11 ANGLES							
52	Angles	Measure and classify angles						
	CHAPTER 12 DATA							
53	Data	Pictograms						
54	Data	Bar Charts						
55	Data	Line graphs.						
56	Data	Pie and bar graphs.						
	CHAPTER 13 MULTIPLICATION							
57	Multiplication	Multiplying 2-digit numbers by multiple of 10						
58	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
59	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
60	Sign word problems	Solving Word Problems by recognising Sign Words						
	CHAPTER 14 MONEY							
61	Money	Problems involving money						
62	Exam	Exam – Fourth Class						
Fifth Class - Primary Mathematics			175	7	100	1100	25	25
1	Study Plan	Study plan – Fifth Class						
	CHAPTER 1 SUBSTRACTION							
2	Subtraction	Subtraction with borrowing						
3	Subtraction	Subtraction of two-digit numbers Involving comparison.						
4	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
	CHAPTER 2 MULTIPLICATION							
5	Multiplication	Multiplication – important facts.						
6	Multiplication	Multiples and factors of whole numbers						
7	Multiplication	Multiplication by 2 and 3 digits						
8	Multiplication	Multiplying 2-digit numbers by multiple of 10						
9	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
10	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
11	Multiplication	Multiplying 4-digit numbers by 3-digit numbers						
12	Multiplication	Multiplication using extended algorithms.						
	CHAPTER 3 DIVISION							
13	Division	Division with and without a remainder.						
14	Division	Divide whole numbers by a 2 digit divisor						
8	Problems	Solve and record division using known facts and sharing						
11	Counting and numeration	The numbers 10 000 to 99 999						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
12	Counting and numeration	Addition to 9999 and beyond						
12	Counting and numeration	Seven digit numbers						

chapter 4 measurements

	Length	Using the metre as a formal unit to measure perimeter						
16	Length	Using the formal unit of the centimetre to measure length and perimeter						
17	Length	Read and calculate distances on a map using the formal unit kilometre						
18	Length	Compare and convert formal units of measurement						
19	Area	Introduction to the square centimetre.						
31	Area	Comparing and ordering areas.						

chapter5 VOLUME

77	Volume/capacity	Problems with volume/capacity.						
	Capacity	Using the cubic cm and displacement to measure volume and capacity						
23	Capacity	Using the cubic cm as a standard unit of measurement for volume and capacity						
24	Capacity	The relationship between the common units of capacity, the litre and the millilitre						
25	Capacity	Converting between volume and capacity using kilolitres and litres						
26	Capacity	Estimate, measure and compare the capacity of containers						
27	Capacity	Converting between volume and capacity using millilitres and litres						
28	Weight/mass	The kilogram						
29	Weight/mass	The gram and net mass						
30	Weight/mass	The tonne – converting units and problems						
	Chapter 6 Fractions							
	Fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a whole						
33	Fractions	Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection						
34	Fractions	Comparing and ordering fractions						
35	Fractions	mixed numbers (mixed numerals)						
36	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 7 Decimals							
37	Decimals	Introduction to decimals						
38	Decimals	Comparing and ordering decimals to two decimal places						
39	Decimals	Decimals with whole numbers 10th and 100th						
40	Decimals	Adding decimals to two decimal places						
	CHAPTER 8 TIME							
41	Time, duration	Duration						
42	Time, minutes	Analogue – Telling time – minutes in the hour						
43	Time, units	Units of time						
44	Time, a.m. p.m.	AM and PM time						
45	Time, analogue	O'clock and half past on the analogue clock						
46	Time, quarter to, past	Quarter past and quarter to						
47	Time, minutes past the hour	Minutes past						
48	Time, minutes to the hour	Minutes to						
49	Time, digital, analogue	Comparing analogue and digital time						
50	Time, digital	O'clock and half past using digital time						
51	Time, 24-hour	24 hour time						
52	Time zones	Time zones						
53	Time, distance, speed	Average speed						
	Chapter 9 SHAPES							
32	3 D Shapes	Constructing models.						
54	2-D shapes	Using the prefix to determine polygons						
56	2-D shapes	Recognise and name triangles						
57	Tessellating 2-D shapes	Use grids to enlarge/reduce 2D shapes						
58	3-D shapes	Recognise and name prisms according to spatial properties						
59	3-D shapes	Recognise and name pyramids according to spatial properties						
60	3-D shapes	Recognise nets for prisms, pyramids, cubes and cones						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
	CHAPTER 10 ANGLES							
61	Lines and angles	Describing position.						
62	Lines and angles	Mapping and grid references						
63	Lines and angles	Main and intermediate compass points						
64	Lines and angles	Informal coordinate system						
	CHAPTER 11 DATA							
65	Data	Pictograms						
66	Data	Bar Charts						
67	Data	Line graphs.						
68	Data	Pie and bar graphs.						
73	Sign word problems	Solving Word Problems by recognising Sign Words						
	CHAPTER 12 EQUATIONS							
74	Equations	Problem solving strategies						
75	Number problems	Problems with numbers.						
	CHAPTER 12 MONEY							
76	Money	Problems involving money						
78	Exam	Exam – Fifth Class						
Sixth Class - Primary Mathematics			180	7	100	1200	25	25
	CHAPTER 1 NUMBERS ADDITION AND SUBTRACTION							
1	Study Plan	Study plan – Sixth Class						
2	Subtraction	Subtraction with borrowing						
3	Subtraction	Subtraction of two-digit numbers Involving comparison.						
11	Counting and numeration	The numbers 10 000 to 99 999						
12	Counting and numeration	Addition to 9999 and beyond						
13	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
7	Subtraction	Subtraction up to the number 999 using the renaming method						
14	Counting and numeration	Seven digit numbers						
	CHAPTER 2 MULTIPLICATION AND DIVISION							
5	Multiplication	Multiples and factors of whole numbers						
6	Problems	Solve and record division using known facts and sharing						
8	Multiplication	Multiplication using extended algorithms.						
9	Division	Division with and without a remainder.						
10	Division	Dividing two and three digit numbers by a single digit number.						
15	Multiplication	Multiplication by 2 and 3 digits						
16	Division	Divide whole numbers by a 2 digit divisor						
	CHAPTER 3 MEASUREMENTS							
17	Length	Using the metre as a formal unit to measure perimeter						
18	Length	Using the formal unit of the centimetre to measure length and perimeter						
19	Length	Read and calculate distances on a map using the formal unit kilometre						
20	Length	Compare and convert formal units of measurement						
21	Area	Introduction to the square centimetre.						
22	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.						
23	Area	Finding the area of a triangle and other composite shapes.						
35	Area	Comparing and ordering areas.						
	CHAPTER 4 CAPACITY AND VOLUME							
25	Capacity	Using the cubic cm and displacement to measure volume and capacity						
26	Capacity	Using the cubic cm as a standard unit of measurement for volume and capacity						
27	Capacity	The relationship between the common units of capacity, the litre and the millilitre						
28	Capacity	Converting between volume and capacity using kilolitres and litres						
29	Capacity	Estimate, measure and compare the capacity of containers						
30	Capacity	Converting between volume and capacity using millilitres and litres						
31	Weight/mass	Introducing the concept of mass						
32	Weight/mass	The kilogram						
33	Weight/mass	The gram and net mass						
34	Weight/mass	The tonne – converting units and problems						
	CHAPTER 5 FRACTIONS							

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
36	Fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a whole						
37	Fractions	Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection						
38	Fractions	Comparing and ordering fractions						
39	Fractions	mixed numbers (mixed numerals)						
	CHAPTER 6 Rules properties							
40	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 7 DECIMALS							
41	Decimals	Introduction to decimals						
42	Decimals	Comparing and ordering decimals to two decimal places						
43	Decimals	Decimals with whole numbers 10th and 100th						
44	Decimals	Adding decimals to two decimal places						
	CHAPTER 8 TIME							
45	Time, duration	Duration						
46	Time, minutes	Analogue – Telling time – minutes in the hour						
47	Time, units	Units of time						
48	Time, a.m. p.m.	AM and PM time						
49	Time, analogue	O'clock and half past on the analogue clock						
50	Time, quarter to, past	Quarter past and quarter to						
51	Time, minutes past the hour	Minutes past						
52	Time, minutes to the hour	Minutes to						
53	Time, digital, analogue	Comparing analogue and digital time						
54	Time, digital	O'clock and half past using digital time						
55	Time, 24-hour	24 hour time						
56	Time zones	Time zones						
57	Time, distance, speed	Average speed						
	CHAPTER 9 SHAPES							
58	2-D shapes	Using the prefix to determine polygons						
60	2-D shapes	Recognise and name triangles						
61	Tessellating 2-D shapes	Use grids to enlarge/reduce 2D shapes						
24	3-D shapes	Constructing models.						
62	3-D shapes	Recognise and name prisms according to spatial properties						
63	3-D shapes	Recognise and name pyramids according to spatial properties						
64	3-D shapes	Recognise nets for prisms, pyramids, cubes and cones						
	CHAPTER 10 ANGLES							
59	Angles	Measure and classify angles						
65	Lines and angles	Describing position.						
66	Lines and angles	Mapping and grid references						
67	Lines and angles	Main and intermediate compass points						
68	Lines and angles	Informal coordinate system						
	CHAPTER 11 DATA							
69	Data	Pictograms						
70	Data	Bar Charts						
71	Data	Line graphs.						
72	Data	Pie and bar graphs.						
	CHAPTER 12 MULTIPLICATION							
73	Multiplication	Multiplying 2-digit numbers by multiple of 10						
74	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
75	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
76	Multiplication	Multiplying 4-digit numbers by 3-digit numbers						
77	Multiplication	Multiplying 4-digit numbers by 4-digit number						
	CHAPTER 13 DIVISION							
78	Division/repeat subtraction	Repeated subtraction with divisors less than 20 with no remainders						
79	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders						
80	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders						
81	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders						
82	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders						
83	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions						
84	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
85	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders						
86	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders						
87	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method						
	CHAPTER 14 SIGN AND PROBLEMS							
88	Sign word problems	Solving Word Problems by recognising Sign Words						
	CHAPTER 15 EQUATION							
89	Equations	Problem solving strategies						
	CHAPTER 16 NUMBER PROBLEMS							
90	Number problems	Problems with numbers.						
	CHAPTER 17 MONEY							
91	Money	Problems involving money						
	CHAPTER 18 MEASUREMENTS							
92	Length	Problems with length.						
93	Mass	Problems with mass.						
94	Area	Problems with area.						
95	Exam	Exam – Sixth Class						
Jnr Cert Foundation 1st Year Mathematics			200	8	150	1500	25	25
	CHAPTER 1 NUMBERS SUBTRACTION							
1	Study Plan	Study plan – Jnr Cert Foundation 1st Year						
2	Subtraction	Subtraction with borrowing						
3	Subtraction	Subtraction of two-digit numbers Involving comparison.						
10	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
11	Counting and numeration	Seven digit numbers						
	CHAPTER 2 NUMBERS MULTIPLICATION AND DIVISION							
4	Multiplication	Multiplication – important facts.						
5	Multiplication	Multiples and factors of whole numbers						
6	Problems	Solve and record division using known facts and sharing						
7	Multiplication	Multiplication using extended algorithms.						
8	Division	Division with and without a remainder.						
9	Counting and numeration	Addition to 9999 and beyond						
12	Multiplication	Multiplication by 2 and 3 digits						
13	Division	Divide whole numbers by a 2 digit divisor						
	CHAPTER 3 MEASUREMENTS							
14	Length	Using the formal unit of the centimetre to measure length and perimeter						
15	Length	Read and calculate distances on a map using the formal unit kilometre						
16	Length	Compare and convert formal units of measurement						
17	Area	Introduction to the square centimetre.						
18	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.						
47	Area	Finding the area of a triangle and other composite shapes.						
48	Area	Larger areas: square metre, hectare, square kilometre.						
49	Volume	Introduction to volume. using the cubic centimetre as a standard unit						
50	Volume	Using the cubic centimetre to measure volume.						
51	Volume	Introducing the formula for volume.						
52	Volume	Using the cubic metre to measure volume.						
53	Volume	Solving Problems about Volume – Part 1.						
54	Volume	Solving Problems about Volume – Part 2.						
	CHAPTER 4 FRACTIONS							
19	Fractions	Comparing and ordering fractions						
20	Fractions	mixed numbers (mixed numerals)						
21	Fractions	Improper fractions						
22	Fractions	Fractions 1/5, 1/10, 1/100						
23	Fractions	Finding equivalent fractions						
24	Fractions	Multiplying and dividing to obtain equivalent fractions						
25	Fractions	Reducing fractions to lowest equivalent form						
26	Fractions	Comparing and ordering fractions greater than (>) 1						
27	Fractions	Subtracting fractions from whole numbers						
28	Fractions	Adding and subtracting fractions with the same denominator						
29	Fractions	Adding and subtracting fractions with different denominators						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
	CHAPTER 5 RULES AND PROPERTYS							
30	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 6 DECIMALS							
31	Decimals	Introduction to decimals						
62	Decimals	Comparing and ordering decimals to two decimal places						
63	Decimals	Decimals with whole numbers 10th and 100th						
64	Decimals	Adding decimals to two decimal places						
65	Decimals	Subtracting decimals to two decimal places						
66	Decimals	Using decimals – shopping problems						
67	Decimals	Using decimals to record length						
68	Decimals	Rounding decimals						
69	Decimals	Decimals to three decimal places						
70	Decimals	Adding decimals with a different number of decimal places						
71	Decimals	Subtracting decimals with a different number of places						
72	Decimals	Multiplying decimals by 10, 100 and 1000						
73	Decimals	Multiplying decimals by whole numbers						
74	Decimals	Multiplication of decimals by decimals to two decimal places						
75	Decimals	Dividing decimals by 10, 100 and 1000						
76	Decimals	Dividing decimal fractions by whole numbers						
77	Decimals	Dividing numbers by a decimal fraction						
	CHAPTER 7 MULTIPLICATION							
32	Multiplication	Multiplying 2-digit numbers by multiple of 10						
33	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
34	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
35	Multiplication	Multiplying 4-digit numbers by 3-digit numbers						
36	Multiplication	Multiplying 4-digit numbers by 4-digit number						
	CHAPTER 8 DIVISION							
37	Division/repeat subtraction	Repeated subtraction with divisors less than 20 with no remainders						
38	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders						
39	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders						
40	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders						
41	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders						
42	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions						
43	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders						
44	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders						
45	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders						
46	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method						
	CHAPTER 9 FRACTION							
55	Fractions	Multiplying fractions by whole numbers						
56	Fractions	Fractions of whole numbers						
57	Fractions	Multiplying fractions						
58	Fractions	Multiplying mixed numbers (mixed numerals)						
59	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)						
60	Fractions	Dividing fractions						
61	Fractions	Dividing mixed numbers (mixed numerals)						
	CHAPTER 10 PERCENTAGES							
78	Percentages	Introduction to percentages, including relating common fractions to percentages						
79	Percentages	Changing fractions and decimals to percentages using tenths and hundredths						
80	Percentages	Changing percentages to fractions and decimals						
81	Percentages	One quantity as a percentage of another						
82	Percentages	Calculating Percentages and Fractions of Quantities						
	CHAPTER 11 EQUATIONS							
83	Equations	Problem solving strategies						
	CHAPTER 12 NUMBER PROBLEMS							
84	Number problems	Problems with numbers.						
	CHAPTER 13 ALGEBRA							
85	Algebraic expressions	Algebraic expressions.						
86	Algebraic expressions	Substitution into algebraic expressions.						
87	Algebraic expressions	Directed numbers: addition and subtraction.						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
88	Algebraic expressions	Directed numbers: multiplication and division.						
89	Algebraic equations	Solving equations containing addition and subtraction						
90	Algebraic equations	Solving equations containing multiplication and division						
91	Exam	Exam – Jnr Cert Foundation 1st Year						
Jnr Cert Ordinary 1st Year Mathematics			200	8	150	1500	25	25
	CHAPTER 1 NUMBERS SUBTRACTION							
1	Study Plan	Study plan – Jnr Cert Ordinary 1st Year						
2	Subtraction	Subtraction with borrowing						
3	Subtraction	Subtraction of two-digit numbers Involving comparison.						
10	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.						
9	Counting and numeration	Addition to 9999 and beyond						
11	Counting and numeration	Seven digit numbers						
	CHAPTER 2 NUMBERS MULTIPLICATION							
4	Multiplication	Multiplication – important facts.						
5	Multiplication	Multiples and factors of whole numbers						
7	Multiplication	Multiplication using extended algorithms.						
6	Problems	Solve and record division using known facts and sharing						
12	Multiplication	Multiplication by 2 and 3 digits						
	CHAPTER 3 DIVISION							
8	Division	Division with and without a remainder.						
13	Division	Divide whole numbers by a 2 digit divisor						
	CHAPTER 4 MEASUREMENTS							
14	Length	Using the formal unit of the centimetre to measure length and perimeter						
15	Length	Read and calculate distances on a map using the formal unit kilometre						
16	Length	Compare and convert formal units of measurement						
72	Length	Problems with length.						
73	Mass	Problems with mass.						
17	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.						
18	Area	Larger areas: square metre, hectare, square kilometre.						
19	Volume	Introduction to volume. using the cubic centimetre as a standard unit						
20	Volume	Introducing the formula for volume.						
21	Volume	Solving Problems about Volume – Part 1.						
22	Volume	Solving Problems about Volume – Part 2.						
	CHAPTER 5 FRACTIONS							
23	Fractions	Comparing and ordering fractions						
24	Fractions	mixed numbers (mixed numerals)						
25	Fractions	Improper fractions						
26	Fractions	Fractions 1/5, 1/10, 1/100						
27	Fractions	Finding equivalent fractions						
28	Fractions	Multiplying and dividing to obtain equivalent fractions						
29	Fractions	Reducing fractions to lowest equivalent form						
30	Fractions	Comparing and ordering fractions greater than (>) 1						
31	Fractions	Subtracting fractions from whole numbers						
32	Fractions	Adding and subtracting fractions with the same denominator						
33	Fractions	Adding and subtracting fractions with different denominators						
34	Fractions	Multiplying fractions by whole numbers						
35	Fractions	Fractions of whole numbers						
36	Fractions	Multiplying fractions						
37	Fractions	Multiplying mixed numbers (mixed numerals)						
38	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)						
39	Fractions	Dividing fractions						
40	Fractions	Dividing mixed numbers (mixed numerals)						
	CHAPTER 6 RULES AND PROPERTIES							
41	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 7 DECIMALS							
42	Decimals	Introduction to decimals						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
43	Decimals	Comparing and ordering decimals to two decimal places						
44	Decimals	Decimals with whole numbers 10th and 100th						
45	Decimals	Adding decimals to two decimal places						
46	Decimals	Subtracting decimals to two decimal places						
47	Decimals	Using decimals – shopping problems						
48	Decimals	Using decimals to record length						
49	Decimals	Rounding decimals						
50	Decimals	Decimals to three decimal places						
51	Decimals	Adding decimals with a different number of decimal places						
52	Decimals	Subtracting decimals with a different number of places						
53	Decimals	Multiplying decimals by 10, 100 and 1000						
54	Decimals	Multiplying decimals by whole numbers						
	CHAPTER 8 MULTIPLICATION							
55	Multiplication	Multiplying 2-digit numbers by multiple of 10						
56	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
57	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
58	Multiplication	Multiplying 4-digit numbers by 3-digit numbers						
59	Multiplication	Multiplying 4-digit numbers by 4-digit number						
	CHAPTER 9 DIVISION							
60	Division/repeat subtraction	Repeated subtraction with divisors less than 20 with no remainders						
61	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders						
62	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders						
63	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders						
64	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders						
65	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions						
66	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders						
67	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders						
68	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders						
69	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method						
	CHAPTER 10 EQUATIONS							
70	Equations	Problem solving strategies						
	CHAPTER 11 NUMBER PROBLEMS							
71	Number problems	Problems with numbers.						
	CHAPTER 12 ALGEBRAIC EXPRESSIONS							
74	Algebraic expressions	Algebraic expressions.						
75	Algebraic expressions	Substitution into algebraic expressions.						
76	Algebraic expressions	Directed numbers: addition and subtraction.						
77	Algebraic expressions	Directed numbers: multiplication and division.						
78	Algebraic expressions	Simplifying algebraic expressions: adding like terms.						
79	Algebraic expressions	Simplifying algebraic Expressions: subtracting like terms.						
80	Algebraic expressions	Simplifying Algebraic expressions: combining addition and subtraction.						
81	Algebraic expressions	Simplifying algebraic expressions: multiplication						
82	Algebraic expressions	Simplifying algebraic expressions: division						
	CHAPTER 13 GEOMETRY							
83	Geometry-quadrilaterals	Quadrilaterals						
84	Exam	Exam – Jnr Cert Ordinary 1st Year						
			210	8	160	1600	25	25

Jnr Cert Higher 1st Year Mathematics

	CHAPTER 1 MEASUREMENTS							
1	Study Plan	Study plan – Jnr Cert Higher 1st Year						
2	Area	Larger areas: square metre, hectare, square kilometre.						
3	Volume	Introduction to volume. using the cubic centimetre as a standard unit						
4	Volume	Introducing the formula for volume.						
5	Volume	Solving Problems about Volume – Part 1.						
6	Volume	Solving Problems about Volume – Part 2.						
7	Area	Area of a trapezium.						
8	Area	Area of a rhombus.						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
9	Area	Area of a circle.						
10	Area	Area of regular polygons and composite figures.						
11	Volume	Finding the volume of prisms						
12	Volume	Volume of a cylinder and sphere.						
13	Volume	Volume of pyramids and cones.						
14	Volume	Composite solids.						
	CHAPTER 2 FRACTIONS							
15	Fractions	Comparing and ordering fractions						
16	Fractions	mixed numbers (mixed numerals)						
17	Fractions	Improper fractions						
18	Fractions	Fractions 1/5, 1/10, 1/100						
19	Fractions	Finding equivalent fractions						
20	Fractions	Multiplying and dividing to obtain equivalent fractions						
21	Fractions	Reducing fractions to lowest equivalent form						
22	Fractions	Comparing and ordering fractions greater than (>) 1						
23	Fractions	Subtracting fractions from whole numbers						
24	Fractions	Adding and subtracting fractions with the same denominator						
25	Fractions	Adding and subtracting fractions with different denominators						
26	Fractions	Multiplying fractions by whole numbers						
27	Fractions	Fractions of whole numbers						
28	Fractions	Multiplying fractions						
29	Fractions	Multiplying mixed numbers (mixed numerals)						
30	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)						
31	Fractions	Dividing fractions						
32	Fractions	Dividing mixed numbers (mixed numerals)						
	CHAPTER 3 RULES PROPERTIES							
33	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 4 DECIMALS							
34	Decimals	Introduction to decimals						
35	Decimals	Comparing and ordering decimals to two decimal places						
36	Decimals	Decimals with whole numbers 10th and 100th						
37	Decimals	Adding decimals to two decimal places						
38	Decimals	Subtracting decimals to two decimal places						
39	Decimals	Using decimals – shopping problems						
40	Decimals	Using decimals to record length						
41	Decimals	Rounding decimals						
42	Decimals	Decimals to three decimal places						
43	Decimals	Adding decimals with a different number of decimal places						
44	Decimals	Subtracting decimals with a different number of places						
45	Decimals	Multiplying decimals by 10, 100 and 1000						
46	Decimals	Multiplying decimals by whole numbers						
47	Decimals	Multiplication of decimals by decimals to two decimal places						
48	Decimals	Dividing decimals by 10, 100 and 1000						
49	Decimals	Dividing decimal fractions by whole numbers						
50	Decimals	Dividing numbers by a decimal fraction						
	CHAPTER 5 PERCENTAGES							
51	Percentages	Introduction to percentages, including relating common fractions to percentages						
52	Percentages	Changing fractions and decimals to percentages using tenths and hundredths						
53	Percentages	Changing percentages to fractions and decimals						
54	Percentages	One quantity as a percentage of another						
55	Percentages	Calculating Percentages and Fractions of Quantities						
	CHAPTER 6 MULTIPLICATIONS							
56	Multiplication	Multiplying 2-digit numbers by multiple of 10						
57	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100						
58	Multiplication	Multiplying 2-digit numbers by 2-digit numbers						
59	Multiplication	Multiplying 4-digit numbers by 3-digit numbers						
60	Multiplication	Multiplying 4-digit numbers by 4-digit number						
	CHAPTER 7 DIVISION							
61	Division/repeat subtraction	Repeated subtraction with divisors less than 20 with no remainders						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
62	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders						
63	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders						
64	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders						
65	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders						
66	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions						
67	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders						
68	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders						
69	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders						
70	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method						
	CHAPTER 8 EQUATIONS							
71	Equations	Problem solving strategies						
	CHAPTER 9 NUMBER PROBLEMS							
72	Number problems	Problems with numbers.						
	CHAPTER 10 MEASUREMENTS							
73	Length	Problems with length.						
74	Mass	Problems with mass.						
75	Area	Problems with area.						
76	Volume/capacity	Problems with volume/capacity.						
	CHAPTER 11 ALGEBRAC EXPRESIONS							
77	Algebraic expressions	Algebraic expressions.						
78	Algebraic expressions	Substitution into algebraic expressions.						
79	Algebraic expressions	Directed numbers: addition and subtraction.						
80	Algebraic expressions	Directed numbers: multiplication and division.						
81	Algebraic expressions	Simplifying algebraic expressions: adding like terms.						
82	Algebraic expressions	Simplifying algebraic Expressions: subtracting like terms.						
83	Algebraic expressions	Simplifying Algebraic expressions: combining addition and subtraction.						
84	Algebraic expressions	Simplifying algebraic expressions: multiplication						
85	Algebraic expressions	Simplifying algebraic expressions: division						
	CHAPTER 12 TRIANGLES							
86	Special triangles	Special triangles						
	CHAPTER 13 GEOMETRY							
87	Geometry-quadrilaterals	Quadrilaterals						
88	Exam	Exam – Jnr Cert Higher 1st Year						
Jnr Cert Foundation 2nd Year Mathematics			250	8	175	1800	25	25
	CHAPTER 1 MEASUREMENTS							
1	Study Plan	Study plan – Jnr Cert Foundation 2nd Year						
2	Area	Finding the area of a triangle and other composite shapes.						
3	Area	Larger areas: square metre, hectare, square kilometre.						
4	Volume	Introduction to volume. using the cubic centimetre as a standard unit						
5	Volume	Using the cubic centimetre to measure volume.						
6	Volume	Introducing the formula for volume.						
7	Volume	Using the cubic metre to measure volume.						
8	Volume	Solving Problems about Volume – Part 1.						
9	Volume	Solving Problems about Volume – Part 2.						
	CHAPTER 2 FRACTIONS							
10	Fractions	Multiplying fractions by whole numbers						
11	Fractions	Fractions of whole numbers						
12	Fractions	Multiplying fractions						
13	Fractions	Multiplying mixed numbers (mixed numerals)						
14	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)						
15	Fractions	Dividing fractions						
16	Fractions	Dividing mixed numbers (mixed numerals)						
	CHAPTER 3 DECIMAL							
17	Decimals	Comparing and ordering decimals to two decimal places						
18	Decimals	Decimals with whole numbers 10th and 100th						
19	Decimals	Adding decimals to two decimal places						
20	Decimals	Subtracting decimals to two decimal places						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
21	Decimals	Using decimals – shopping problems						
22	Decimals	Using decimals to record length						
23	Decimals	Rounding decimals						
24	Decimals	Decimals to three decimal places						
25	Decimals	Adding decimals with a different number of decimal places						
26	Decimals	Subtracting decimals with a different number of places						
27	Decimals	Multiplying decimals by 10, 100 and 1000						
28	Decimals	Multiplying decimals by whole numbers						
29	Decimals	Multiplication of decimals by decimals to two decimal places						
30	Decimals	Dividing decimals by 10, 100 and 1000						
31	Decimals	Dividing decimal fractions by whole numbers						
32	Decimals	Dividing numbers by a decimal fraction						
	CHAPTER 4 PERCENTAGE							
33	Percentages	Introduction to percentages, including relating common fractions to percentages						
34	Percentages	Changing fractions and decimals to percentages using tenths and hundredths						
35	Percentages	Changing percentages to fractions and decimals						
36	Percentages	One quantity as a percentage of another						
37	Percentages	Calculating Percentages and Fractions of Quantities						
	CHAPTER 5 EQUATIONS							
38	Equations	Problem solving strategies						
	CHAPTER 6 NUMBER PROBLEMS							
39	Number problems	Problems with numbers.						
	CHAPTER 7 ALGEBRAIC EXPRESSION							
40	Algebraic expressions	Algebraic expressions.						
41	Algebraic expressions	Substitution into algebraic expressions.						
42	Algebraic expressions	Directed numbers: addition and subtraction.						
43	Algebraic expressions	Directed numbers: multiplication and division.						
44	Algebraic equations	Solving equations containing addition and subtraction						
45	Algebraic equations	Solving equations containing multiplication and division						
49	Algebra- formulae	Equations resulting from substitution into formulae.						
50	Algebra- formulae	Changing the subject of the formula.						
	CHAPTER 8 MEASUREMENTS							
46	Length	Problems with length.						
47	Mass	Problems with mass.						
48	Area	Problems with area.						
	CHAPTER 9 GEOMETRY							
51	Geometry-angles	Measuring angles						
52	Geometry-angles	Adjacent angles						
53	Geometry-angles	Complementary and supplementary angles						
54	Geometry-angles	Vertically opposite angles						
55	Geometry-angles	Angles at a Point.						
56	Geometry-angles	Parallel Lines.						
57	Geometry-problems	Additional questions involving parallel lines						
58	Geometry-triangles	Angle sum of a triangle						
59	Geometry-triangles	Exterior angle theorem						
60	Significant figures	Significant figures						
61	Geometry-polygons	Angles of regular polygons						
	CHAPER 10 FACTORISING							
62	Factorising	Expansions leading to the difference of two squares						
	CHAPTER 11 SEQUENCES AND SERIES							
63	Sequences and Series-Compound interes	Compound interest						
64	Sequences and Series-Superannuation	Superannuation.						
65	Sequences and Series-Time payments	Time payments.						
66	Exam	Exam – Jnr Cert Foundation 2nd Year						
Jnr Cert Ordinary 2nd Year Mathematics			225	8	175	1750	25	25
	CHAPTER 1 VOLUME							
1	Study Plan	Study plan – Jnr Cert Ordinary 2nd Year						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
2	Volume	Solving Problems about Volume – Part 1.						
3	Volume	Solving Problems about Volume – Part 2.						
4	Area	Area of a trapezium.						
5	Area	Area of a rhombus.						
6	Area	Area of a circle.						
7	Area	Area of regular polygons and composite figures.						
8	Volume	Finding the volume of prisms						
9	Volume	Volume of a cylinder and sphere.						
10	Volume	Volume of pyramids and cones.						
11	Volume	Composite solids.						
	CHAPTER 2 FRACTION							
12	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)						
13	Fractions	Dividing fractions						
14	Fractions	Dividing mixed numbers (mixed numerals)						
15	Fractions	Multiplying fractions						
16	Fractions	Multiplying mixed numbers (mixed numerals)						
17	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions						
	CHAPTER 3 DECIMALS							
18	Decimals	Multiplying decimals by 10, 100 and 1000						
19	Decimals	Multiplying decimals by whole numbers						
20	Decimals	Multiplication of decimals by decimals to two decimal places						
21	Decimals	Dividing decimals by 10, 100 and 1000						
22	Decimals	Dividing decimal fractions by whole numbers						
23	Decimals	Dividing numbers by a decimal fraction						
	CHAPTER 4 PERCENTAGES							
24	Percentages	Introduction to percentages, including relating common fractions to percentages						
25	Percentages	Changing fractions and decimals to percentages using tenths and hundredths						
26	Percentages	Changing percentages to fractions and decimals						
27	Percentages	One quantity as a percentage of another						
28	Percentages	Calculating Percentages and Fractions of Quantities						
	CHAPTER 5 EQUATIONS							
29	Equations	Problem solving strategies						
	CHAPTER 6 NUMBER PROBLEMS							
30	Number problems	Problems with numbers.						
	CHAPTER 7 MEASUREMENTS							
31	Length	Problems with length.						
32	Mass	Problems with mass.						
	CHAPTER 8 AREA							
33	Area	Problems with area.						
34	Surface area	Surface area of a cube/rectangular prism.						
35	Surface area	Surface area of a triangular/trapezoidal prism.						
36	Surface area	Surface area of a cylinder and sphere.						
37	Surface area	Surface area of pyramids						
38	Surface area	Surface area of cones						
39	Surface area	Surface area of composite solids						
	CHAPTER 9 ALGEBRAIC EXPRESSIONS							
40	Algebraic expressions	Algebraic expressions.						
41	Algebraic expressions	Substitution into algebraic expressions.						
42	Algebraic expressions	Directed numbers: addition and subtraction.						
43	Algebraic expressions	Directed numbers: multiplication and division.						
44	Algebraic expressions	Simplifying algebraic expressions: adding like terms.						
45	Algebraic expressions	Simplifying algebraic Expressions: subtracting like terms.						
46	Algebraic expressions	Simplifying Algebraic expressions: combining addition and subtraction.						
47	Algebraic expressions	Simplifying algebraic expressions: multiplication						
48	Algebraic expressions	Simplifying algebraic expressions: division						
49	Algebraic expressions	Expanding algebraic expressions: multiplication						
50	Algebraic expressions	Expanding algebraic expressions: negative multiplier						
51	Algebraic expressions	Expanding and simplifying algebraic expressions						
52	Algebraic equations	Solving equations containing addition and subtraction						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
53	Algebraic equations	Solving equations containing multiplication and division						
54	Algebraic equations	Solving two step equations						
55	Algebraic equations	Solving equations containing binomial expressions						
56	Algebraic equations	Equations involving grouping symbols.						
57	Algebraic equations	Equations involving fractions.						
	CHAPTER 10 GEOMETRY							
58	Geometry-angles	Measuring angles						
59	Geometry-angles	Adjacent angles						
60	Geometry-angles	Complementary and supplementary angles						
61	Geometry-angles	Vertically opposite angles						
62	Geometry-angles	Angles at a Point.						
63	Geometry-angles	Parallel Lines.						
64	Geometry-problems	Additional questions involving parallel lines						
65	Geometry-triangles	Angle sum of a triangle						
66	Geometry-triangles	Exterior angle theorem						
67	Geometry-quadrilaterals	Quadrilaterals						
68	Geometry-constructions	Geometric constructions						
	CHAPTER 11 TIGNOMETRY							
69	Trigonometry-ratios	Trigonometric ratios.						
70	Trigonometry-ratios	Using the calculator.						
71	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 1 Sine].						
72	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 2 Cosine].						
73	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 3 Tangent Ratio].						
	CHAPTER 12 STATISTICS							
74	Statistics	Frequency distribution table						
75	Statistics	Frequency histograms and polygons						
76	Statistics	Relative frequency						
77	Statistics	The range.						
	CHAPTER 13 PROBABILITY							
78	Statistic-probability	The mode						
79	Statistic-probability	The mean						
80	Statistic-probability	The median						
81	Statistic-probability	Cumulative frequency						
82	Statistic-probability	Calculating the median from a frequency distribution						
83	Statistic-probability	Probability of Simple Events						
84	Statistic-probability	Rolling a pair of dice						
85	Exam	Exam – Jnr Cert Ordinary 2nd Year						

Jnr Cert Higher 2nd Year Mathematics

	CHAPTER 1 MEASUREMENTS		250	8	180	1850	25	25
1	Study Plan	Study plan – Jnr Cert Higher 2nd Year						
21	Length	Problems with length.						
22	Mass	Problems with mass.						
23	Area	Problems with area.						
2	Area	Area of a trapezium.						
3	Area	Area of a rhombus.						
4	Area	Area of a circle.						
5	Area	Area of regular polygons and composite figures.						
6	Volume	Finding the volume of prisms						
7	Volume	Volume of a cylinder and sphere.						
8	Volume	Volume of pyramids and cones.						
9	Volume	Composite solids.						
24	Volume/capacity	Problems with volume/capacity.						
	CHAPTER 2 DECIMALS							
10	Decimals	Multiplication of decimals by decimals to two decimal places						
11	Decimals	Dividing decimals by 10, 100 and 1000						
12	Decimals	Dividing decimal fractions by whole numbers						
13	Decimals	Dividing numbers by a decimal fraction						

IRISH CARRICULLAM			HRS	euro /hr	euro /month	euro /year	Q&A pdf/ chapter	HW Help /Chapter
	CHAPTER 3 PERCENTAGE							
14	Percentages	Introduction to percentages, including relating common fractions to percentages						
15	Percentages	Changing fractions and decimals to percentages using tenths and hundredths						
16	Percentages	Changing percentages to fractions and decimals						
17	Percentages	One quantity as a percentage of another						
18	Percentages	Calculating Percentages and Fractions of Quantities						
	CHAPTER 4 EQATIONS							
19	Equations	Problem solving strategies						
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