

SUMMER 2022 Maths - Foundation

Paper 1 (Non-Calculator)			
	Topic	MathsWatch Clip	CGP page number
Number	Money problems	22a	3
	Negative numbers	23, 68a, 68b	7
	Ordering fractions, decimals and percentages	3, 70, 84, 85	15
	Fraction of an amount	72	12-13
	Fraction calculations	71a, 73, 74	12-13
	Place value	92	
	Product of prime factors	78	8-9
	Writing numbers in standard form	83	22-23
	Calculating with standard forms	83	22-23
	Estimation	91	18
Algebra	Simplifying algebra	33, 34, 35, 134a, 134b	25-26
	Substitution	95	
	Linear inequalities	138, 139	37
	Quadratic equations	157	38
	Quadratic graphs	98, 160	48
	Linear sequences	37, 102	35
Ratio, proportion and rates of change	Converting units of length	112	66
	Percentage of an amount	87	61
	Percentage increase	108	62
	Writing in a ratio	38	55
	Sharing in a ratio	106	57
	Direct proportion	42	58
	Speed, distance, time	142	69
	Density, mass, volume	142	69
Geometry and measures	Transformations - reflection	48	76
	Plans and elevations	51	85
	Angles in a polygon	10, 123	91
	Volume of a cube	115	82
	Volume of a cylinder	119	82
	Exact trigonometric values	173	102
Probability	Probability	14, 59	107
	Frequency tree	57	110
Statistics	Pictograms	16	117
	Bar charts	15	117
	Stem and leaf diagrams	128b	118

Paper 2 (Calculator)

	Topic	MathsWatch Clip	CGP page number
Number	Money problems	22a	3
	Negative number	23, 68a, 68b	7
	Fraction calculations	71a, 73, 74	12-13
	Ordering fractions	70	15
	Ordering integers	2	
	Multiples	28, 80	9
	Rounding	31, 32, 90	16-17
	Error intervals	155	19
	Mathematical symbols	5	
Algebra	Simplifying algebra	33, 34, 35, 134a, 134b	25-26
	Expanding brackets	93, 134a, 134b	27
	Factorising	94, 157	28
	Index laws	29, 82	20
	Simultaneous equations	162	39
	Coordinates	8	42
	Straight line graphs	96, 159a, 159b	43-46
	Function machines	36	31
Ratio, proportion and rates of change	Converting units of mass, time, area	112	66
	Scale drawings	51	97
	Decimals to percentages	85	15
	Percentage profit	88	15
	Depreciation	164	65
	Writing as a ratio	38	55
	Use of ratio	38, 39	55-57
	Direct proportion	42	58
Currency conversion	105		
Geometry and measures	Polygons	10	72, 91
	Circles	116, 117, 118	79
	Parallel and perpendicular lines	120	47, 89, 90
	Transformations	48, 49, 50, 148	76, 77
	Angles in a triangle	121	88
	Vertically opposite angles	45, 120	89
	Area of a rectangle	53	78
Probability	Tree diagram	151	112
	Combined events	60	111
Statistics	Interpreting graphs	63	123
	Two-way table	61	118
	Frequency table	65	115
	Mode, median, mean	62	116

Paper 3 (Calculator)

	Topic	MathsWatch Clip	CGP page number
Number	Four operations	17, 18, 19, 20	5, 6
	Negative number	23, 68a, 68b	7
	Fraction of an amount	72	12-13
	One amount as a fraction of another	24	13
	Equivalent fractions	25	13
	Factors	28	9
	Lowest Common Multiple	28, 80	9
	Square roots	81	21
	Rounding	31, 32, 90	16-17
	Using a calculator	77	
Algebra	Simplifying algebra	33, 34, 35, 134a, 134b	25-26
	Expanding brackets	93, 134a, 134b	27
	Factorisation	94, 157	28
	Substitution	95	
	Rearranging	136	
	Forming an expression	137	32-33
	Linear equations	135a	29-30
	Forming equations	137	32-33
	Linear sequences	37, 102	35
Ratio, proportion and rates of change	Converting time	112	66
	Compound units	142	69
	Scale drawing	51	97
	Percentages to fractions	85	15
	One quantity as a percentage of another	40	61
	Percentage decrease	88	62
	Reverse percentages	110	63
	Writing ratio	38	55
	Ratio 1:n form		55-57
	Direct proportion	42	58
	Average speed	142	69
Geometry and measures	Triangle properties	122	72-73
	Quadrilaterals		72-73
	Triangular prisms	43, 114b, 119	80-83
	Angles in parallel lines	120	89
	Angles in a triangle	121	87
	Vertically opposite angles	45	88
	Bearings	124	96
	Area of a triangle	54	78
	Area of a trapezium	56	78
	Pythagoras'	150a, 150b	99
Probability	Probability scale	14	107
Statistics	Frequency polygon	65	122-123
	Median	62	116
	Range	62	116
	Comparing distributions	62	124

