Name: _____

JustMaths

PAPER 1

Q	Topic	Max	Actual	RAG
1	Positive powers and roots	1		
2	Conditions of congruence	1		
3	Reasoning with sequences	1		
4	Relate ratio to fractions	1		
5	Prime factorisation	3		
6	Averages	4		
7	Fraction of an amount	2		
8	Form an expression - linear	2		
9 a	Use density/mass/volume	1		
9 b		1		
10	Simultaneous equations - linear/linear	3		
11	Solve problems involving % change	5		
12	Area of circles	3		
13	Convert into standard form	2		
14	Solving linear equations	1		
15	Recurring decimals and fractions	1		
16 a	Probability trees - independent events	2		
16 b		2		
17 a	Gradient	2		
17 b	Use y = mx + c	2		
18	Proportional reasoning - best value	3		
19 a	Construct cumulative frequency diagram	3		
19 b	Interpret cumulative frequency diagram	2		
20	Use the equation of a circle	1		
21 a	Reflections	1		
21 b	Combinations of transformations	3		
22	Similarity	1		
23 a	Graphs of functions in real-life contexts	1		
23 b	Estimate areas under graphs	2		
24 a	Calculate with fractional indices	1		
24 b		2		
25	Proportional reasoning/Fractions	4		
26	Expand triple brackets	4		
27	Equation of a tangent to a circle at a point	4		
28	Volume of a cone	4		
29	Exact trig values/Surds	4		
	Total Marks	80		

PAPER 2

Q	Topic	Max	Actual	RAG
1	Convert between fractions & decimals	1		
2	Standard units of area	1		
3	Midpoint of line segment	1		
4	nth term - linear sequences	1		
5 a	Calculate probabilities	1		
5 b	Product rule for counting	2		
6 a	Recognise/plot/sketch quadratic functions	2		
6 b		2		
6 c	Turning points	1		
7	Trigonometry	2		
8 a	Plot graphs in real-life contexts	3		
8 b	Graphs of functions in real-life contexts	1		
9	Probability/fractions/forming equations	4		
10	Interpret pie charts	3		
11	Convert from standard form	2		
12	Apply circle theorems	1		
13	Form and solve an equation - linear	4		
14	Use y = mx + c	3		
15 a	Pythagoras' Theorem	1		
15 b		1		
16	Median from a box plot	1		
17	Similarity - Area	4		
18 a	Venn diagrams	3		
18 b	Calclulate probabilty from Venn diagram	1		
19	Apply ratio to real contexts and problems	5		
20	Sine Rule	3		
21	Solve quadratic equations - formula	4		
22	Solve problems using direct proportion	4		
23	Vectors - Geometric problems	3		
24	Interpret cumulative frequency diagram	4		
25	Multiple trig methods	5		
26 a	Enlargements - Fractional	1		
26 b	Reflections	1		
27 a	Interpret reverse process as an inverse	2		
27 b	function	2		
	Total Marks	80		

PAPER 3

Q	Topic	Max	Actual	RAG
1	Vectors - column arithmetic	1		
2	Types of number	1		
3	Change the subject	1		
4	Calculate using bearings	1		
5	Estimating frequency	2		
6	Solve linear inequalities	2		
7 a	Error intervals due to rounding	2		
7 b	Apply and interpret limits of accuracy	2		
8 a	2D shape properties	1		
8 b	Conditions of congruence	1		
9 a	Fractions and probability	3		
9 b	Fractions and probability	2		
10 a	Form and solve an equation - angle facts	4		
10 b	Angle facts - parallel lines	3		
11	Use ratio notation including simplifying	3		
12	Positive powers and roots	2		
13	Reverse mean	4		
14	Solve problems using inverse proportion	1		
15 a	Interpret graphs in real-life contexts	1		
15 b	Interpret graphs in real-life contexts	1		
16	Depreciation	3		
17	Use speed/distance and time	5		
18	Recognise/plot/sketch reciprocal functions	1		
19	Apply circle theorems	4		
20	Upper and lower bounds	4		
21	Identify/interpret roots graphically	1		
22	nth term - quadratic sequences	3		
23	Turning points graphically - quadratics	4		
24	Interpret graphs in real-life contexts	2		
25 a	Pythagoras' Theorem	2		
25 b	Trigonometry in 3D	4		
26	Form an equation - area	6		
27	Algebraic proof	3		
	Total Marks	80		

P1

P2

P3

TOTAL

Grade Boundaries: 3 = 32, 4 = 46, 5 = 71, 6 = 97, 7 = 125, 8 = 156, 9 = 189