

Scott College Yr11 March Mocks 2022



Scott

Scott Medical and Healthcare College

Assessment Manifests

March Mocks 2022

Maths HIGHER Revision Checklist ASSESSMENT 1

Topic	Sparx	Tick
Assessment 1		
Share money in a ratio	U577	
Word problem involving age	U599	
Find the surface area of a cube given its volume	U929	
Speed, distance, time problem	U151	
Word problem involving fractions, money and algebra	U874	
Complete a probability tree diagram	U558	
Use a probability tree diagram	U729	
Identify what is wrong with a given graph	U571	
Geometric problem involving circles	U808	
Solve an inequality	U759	
Solve a quadratic equation	U228	
Draw a box plot	U837	
Compare two box plots	U507	
Problem involving similar triangles	U112	
Enlarge a shape	U134	
Problem involving similar shapes and volume	U110	
Problem involving inverse proportion	U138	
Proof involving length and ratio	U595	
Problem involving area and algebra	U599	
Algebraic proof involving right angle triangles	U582	
Simplify an expression involving roots and powers	U662	
Proof involving surds	U633	
Rationalise the denominator	U281	
Word problem involving probability	U510	
Problem involving functions	U637	
Find the value of the coordinates that a curve passes through	U800	
Geometric proof involving circles	U808	

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Maths HIGHER Revision Checklist ASSESSMENT 2

Topic	Sparx	Tick
Assessment 2		
Write a number as a product of its prime factors	U739	
Find the HCF of two numbers	U529	
Solve an inequality	U759	
Solve an equation	U870	
Write a number in standard form	U330	
Word problem involving standard form	U264	
Use a probability table	U580	
Use a scatter graph	U277	
Find a line of best fit	U199	
Identify what the gradient represents	U669	
Word problem involving fractions, percentages and money	U349	
Word problem involving the mean	U291	
Solve a vector equation	U903	
Word problem involving compound interest	U332	
Change the subject of a formula	U556	
Factorise an expression	U437	
Find the size of an unknown angle	U732	
Expand and simplify three pairs of brackets	U606	
Estimate the acceleration from a speed-time graph	U562	
Find an estimate for the distance travelled using a speed-time graph	U611	
Find a probability from a Venn diagram	U476	
Use a recurrence relationship	U171	
Write a number given in index form as a surd	U338	
Use a histogram	U983	
Find the solutions of a trig equation using a graph	U450	
Find the size of an angle in a pyramid	U484	
Describe a rotation	U766	

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Maths HIGHER Revision Checklist ASSESSMENT 3

Topic	Sparx	Tick
Assessment 3		
Use a calculator to evaluate a numerical expression	U926	
Round to three significant figures	U731	
Metric conversion involving area	U388	
Word problem involving lowest common multiple	U751	
Word problem involving pressure	U527	
Find the turning point of a quadratic curve	U769	
Estimate the solution of an equation using a quadratic graph	U601	
Word problem involving compound interest	U332	
Geometric problem involving a trapezium and unknown angles	U329	
Find an estimate for the mean	U877	
Cumulative Frequency	U642	
Find the size of an unknown angle	U627	
Represent inequalities on a graph	U337	
Geometric problem involving a triangle and a circle	U489	
Simplify an algebraic fraction	U294	
Word problem involving ratio	U676	
Find the volume of a cone	U116	
Word problem involving conditional probability	U806	
Problem involving bounds	U587	
Proof involving vectors	U560	
Find the equation of a tangent to a circle	U567	

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Maths FOUNDATION Revision Checklist ASSESSMENT 1

Topic	Sparx	Tick
Assessment 1		
Metric conversion	U388	
Write a percentage as a decimal	U888	
Order a list of numbers	U600	
Evaluate a numerical expression	U976	
Solve a one-step equation	U755	
Find the median from a list	U456	
Find the range from a list	U526	
Identify the coordinates of a point	U789	
Label a point on a grid	U789	
Multiples, Factors and Primes	U211	
Word problem involving basic operations	U127	
Identify equivalent fractions	U704	
Subtract fractions	U736	
Populate a two-way table	U981	
Find a probability from a two-way table	U408	
Use a conversion graph	U669	
Word problem involving ratio	U921	
Word problem involving a recipe	U721	
Substitute into an expression	U201	
Simplify an expression by collecting like terms	U105	
Word problem involving percentage decrease and money	U671	
Rotate a shape	U696	
Find the size of an unknown angle	U655	
Solve a pair of simultaneous equations	U760	
Share money in a ratio	U577	
Word problem involving age	U599	
Find the surface area of a cube given its volume	U929	
Speed, distance, time problem	U151	
Word problem involving fractions, money and algebra	U916	
Complete and use a probability tree diagram	U806	
Identify what is wrong with a given graph	U980	
Simplify an expression that involves indices	U235	
Expand and simplify double brackets	U768	

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Maths FOUNDATION Revision Checklist ASSESSMENT 2

Topic	Sparx	Tick
Assessment 2		
Round to the nearest thousand	U480	
Order decimal numbers	U435	
Write a decimal as a fraction	U888	
Find a fraction of an amount	U881	
Name a given polygon	U121	
Use calculator to find the square root of a number	U851	
Word problem involving length	U388	
Simplify an expression	U105	
Use simple probability	U408	
Time	U902	
Word problem involving percentage	U554	
Word problem involving ratio	U577	
Draw a mirror line	U799	
State the scale factor of an enlargement	U519	
Draw a pie chart	U508	
Find the midpoint of a line segment	U933	
Draw a straight-line graph	U741	
Word problem involving area and money	U993	
Draw a shape given the plan and elevations	U743	
Prime numbers and HCF	U529	
Solve an inequality	U579	
Solve an equation	U325	
Standard Form	U330	
Scatter Graphs	U199	
Identify what the gradient represents	U669	
Factorise a quadratic	U178	
Find the perimeter of a trapezium	U265 U385	

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Maths FOUNDATION Revision Checklist ASSESSMENT 3

Topic	Sparx	Tick
Assessment 3		
Round to the nearest whole number	U480	
State the percentage of a shape that is shaded	U925	
Simplify an expression	U105	
Complete a pictogram	U506	
Word problem involving money	U478	
Continue a sequence	U213	
Explain why a number is not part of a sequence	U498	
Find a bearing	U525	
Use a scale diagram	U257	
Word problem involving ratio	U176	
Order a list of fractions, decimals and percentages	U594	
Word problem involving metric capacity conversion and time	U468	
Use a word formula	U201 U599	
Find the size of an unknown angle	U655	
Word problem involving money, fractions and percentages	U349	
Complete a frequency tree	U280 U558	
Word problem involving value for money	U721	
Draw a locus	U820	
Change the subject of a formula	U556	
Complete and use a probability table	U510	
Use a calculator to evaluate a numerical expression	U926	
Round to three significant figures	U965	
Metric conversion involving area	U248	
Word problem involving lowest common multiple	U751	
Word problem involving pressure	U527	
Find the turning point of a quadratic curve	U769	
Estimate the solution of an equation using a quadratic graph	U601	
Word problem involving compound interest	U332	
State what effect a change in interest rate will have	U332	
Geometric problem involving a trapezium and unknown angles	U870	
Find the length of a side of a right-angled triangle	U283	