

Functions	FUNCTH0	C3	C3	C3	Intro: domain: range: recognition.
Functions	FUNCTH0X	C3	C3	C3	Intro: mappings: exercise completing ranges.
Functions	FUNCTH0Y	C3	C3	C3	Intro: further exercises completing ranges.
Functions	FUNCTH1	C3	C3	C3	Intro: order of application.
Functions	FUNCTH1B	C3	C3	C3	Intro: order of application.
Functions	FUNCTH2	C3	C3	C3	Intro: inverse functions.
Functions	FUNCTH2B	C3	C3	C3	Intro: inverse functions.
Functions	FUNCTH3	C3	C3	C3	Inverse function machine.
Functions	FUNCTH3X	C3	C3	C3	Exercise: find inverses of various functions.
Graphs	MFUNC1	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Graphs	MFUNC2	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Graphs	MFUNC3	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Graphs	POLYGRAF	C1	C1	C1	$y=ax^2$, $y=k$: give intersection to solve quadratic
Graphs	POLYGRAF1	C1	C1	C1	$y=ax^2+c$, $y=k$: give intersection to solve quadratic
Graphs	POLYGRAF2	C1	C1	C1	$y=ax^2+c$, $y=mx+k$: give intersection to solve quadratic
Graphs	POLYGRAF3	C1	C1	C1	$y=ax^2+bx+c$: explore: $y=(x+?)^2$.
Graphs	POLYGRAF4	C1	C1	C1	$y=ax^2+bx+c$, $y=mx+k$: give intersection to solve quadratic: with table.
Graphs	POLYGRAF4S	C1	C1	C1	$y=ax^2+bx+c$, $y=mx+k$: give intersection to solve quadratic: no table.
Graphs	POLYGRAF5	C1	C1	C1	$y=axn+bx+c$: explore.
Graphs	POLYGRAF6	C1	C1	C1	$y=a(x+b)n+c$: explore.
Graphs	GRAF11E	C1	C1	C1	$y = a/(x+n)$: explore.
Graphs	POLYGRAF9	C1	C1	C1	$y=a(x+b)^n+c$: compare with 8 transformations, 1 variable.
Graphs	POLYGRAF10	C1	C1	C1	$y=a(x+b)^n+c$: compare with 8 transformations, 2 variables.
Graphs	POLYGRAF20	C1	C1	C1	$y=ax^2+bx+c$: Gradient using tangent and differentiation.
Graphs	POLYGRAF21	C1	C1	C1	$y=ax^n+bx+c$: Find gradient using differentiation.
Graphs	POLYGRAF22	C1	C1	C1	$y=ax^n+bx+c$: Find gradient and tangent using differentiation.
Graphs	POLYGRAF23	C1	C1	C1	$y=ax^n+bx+c$: Find tangent and gradient of normal using differentiation.
Graphs	GRAF14S	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable.
Graphs	GRAF14VS	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Graphs	GRAF14VX	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Graphs	GRAF15VS	C1	C1	C1	$y=a(x+b)^2+c$: compare with 8 transformations, 1 variable: find vertex.
Graphs	POLYGRAPH2	C1	C1	C1	Explore polynomials: form $y=ax^n+bx+c$ with 2 sets of axes.
Graphs	GRAF03G	C1	C1	C1	Explore solutions of simultaneous equations: $ax^n+bx+c = mx+k$.
Graphs	GRAF03P	C1	C1	C1	Explore polynomials: form $y=ax^n+bx+c$.
Graphs	GRAF03S	C1	C1	C1	Explore polynomials: form $y=a(x+b)^n+c$.
Graphs	GRAF03PZ	C1	C1	C1	Explore polynomials: form $y=ax^n+bx+c$ with y axis zoom.
Graphs	GRAF03SZ	C1	C1	C1	Explore polynomials: form $y=a(x+b)^n+c$ with y axis zoom.
Graphs	GRAF03Y	C1	C1	C1	Transforming polynomials: form $f(x)=a(x+b)^n+c$ with $f(x+2)$ etc.
Graphs	GRAF03Z	C1	C1	C1	Transforming polynomials: form $f(x)=a(x+b)^d+c$ with $f(x+n)$ etc.
Graphs	TRANSAB1	C1	C1	C1	Transforming parabolas: 15 questions: interactive.
Graphs	TRANSAB1B	C1	C1	C1	Transforming parabolas: 15 questions: interactive.
Graphs	GRAF11	C4	C4	FP2	$y=a/x$: tool: explore.
Graphs	GRAF11B	C4	C4	FP2	$y=a/x+bx$: tool: explore.
Graphs	GRAF11C	C4	C4	FP2	$y=a/x+bx+c$: tool: explore.
Graphs	GRAF11D	C4	C4	FP2	$y=a/nx+bx+c$: tool: explore.
Graphs	GRAF12	C4	C4	FP2	$y=a/x^n$: tool: explore.
Graphs	GRAF12B	C4	C4	FP2	$y=a/x^n+c$: tool: explore.
Graphs	GRAF12C	C4	C4	FP2	$y=a/x^n+bx+c$: tool: explore.
Graphs	GRAF12X	C4	C4	FP2	$y=ax^3+bx^2+cx+d$: tool: explore.
Graphs	GRAF14	C1	C1	C1	$y=ax^2+bx+c$: tool: explore.
Graphs	GRAF14V	C1	C1	C1	$y=ax^2+bx+c$: tool: explore vertices.
Graphs	GRAF15V	C1	C1	C1	$y=a(x+b)^2+c$: tool: explore vertices.
Graphs	GRAF16	C1	C1	C1	$y=ax^n+bx+c$: tool: explore.
Graphs	POLYGRAF7	C1	C1	C1	$y=ax^2+bx+c$: tangent given.
Graphs	POLYGRAF8	C1	C1	C1	$y=ax^2+bx+c$: calculate tangent.
Graphs	GRAFSP	C1	C1	C1	Parabolas: stationary points.
Graphs	GRAFDISC	C1	C1	C1	Parabolas: discriminant.
Graphs	GRAFMOD1	C3	C3	C3	Modulus $y= ax^n+bx+c $: explore.
Graphs	GRAFMOD2A	C3	C3	C3	Modulus $y= a/x $: explore.
Graphs	GRAFMOD2B	C3	C3	C3	Modulus $y= a/x+c $: explore.
Graphs	GRAFMOD2C	C3	C3	C3	Modulus $y= a/x+bx+c $: explore.
Graphs	GRAFMOD2D	C3	C3	C3	Modulus $y= a/nx+bx+c $: explore.
Graphs	GRAFMOD2E	C3	C3	C3	Modulus $y = a/(x+n) $: explore.
Graphs	GRAFMOD3A	C3	C3	C3	Modulus $y= a/x^n $: explore.
Graphs	GRAFMOD3B	C3	C3	C3	Modulus $y= a/x^n+c $: explore.
Graphs	GRAFMOD3C	C3	C3	C3	Modulus $y= a/x^n+bx+c $: explore.
Graphs	LINES10	C1	C1	C1	Solving equations using graphs
Graphs	LINES10B	C1	C1	C1	Solving equations using graphs
Graphs	MFUNCST	C3	C3	C1	$y=ax^n+bx+c$: Explore negative indices
Graphs	MFUNC1P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Graphs	MFUNC2P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Graphs	MFUNC3P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Inequalities	NLINE01	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: reminders.
Inequalities	NLINE02A	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Inequalities	NLINE02B	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Inequalities	NLINE03A	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Inequalities	NLINE03B	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Indices	INDIC09T	C1	C2	C1	Fractional indices.

Indices	INDIC10T	C1	C2	C1	Explore decimal indices.
Indices	POWS1	C1	C2	C1	Raise to the power: index notation: many levels of use.
Indices	POWS2	C1	C2	C1	Raise to the power: fractional indices only: many levels of use.
Indices	INDIC09	C1	C2	C1	Fractional indices: positive and negative.
Indices	INDIC09B	C1	C2	C1	Fractional indices: positive and negative.
Indices	INDIC10	C1	C2	C1	Investigate decimal indices.
Indices	INDIC10B	C1	C2	C1	Investigate decimal indices.
Indices	INDIC11	C1	C2	C1	Explore indices.
Inequalities	COORDSP7A	C1	C1	C1	Satisfying inequalities: plot 6 points.
Inequalities	COORDSP7B	C1	C1	C1	Satisfying inequalities: plot 6 points.
Iteration	TUMBLERSINV	C3	C3	FP2	Find the height of water in a square based tumbler when it is half full.
Iteration	TUMBLERCINV	C3	C3	FP2	Find the height of water in a circular based tumbler when it is half full.
Iteration	ITER01	C3	C3	FP2	Introduction to iteration.
Iteration	ITER02	C3	C3	FP2	Result with alternative transposition.
Iteration	ITER03	C3	C3	FP2	Same function, further comparison, change start number.
Iteration	ITER04	C3	C3	FP2	Result with alternative transposition.
Iteration	ITER04B	C3	C3	FP2	Result with alternative transposition with added graphic.
Iteration	ITER05	C3	C3	FP2	New function, converge and diverge.
Iteration	ITER05B	C3	C3	FP2	New function, converge and diverge with added graphic.
Iteration	ITER06	C3	C3	FP2	Iteration with active cobweb diagram. Investigate.
Iteration	ITER06B	C3	C3	FP2	Iteration with active cobweb diagram. Second root.
Iteration	ITER06C	C3	C3	FP2	Iteration with active cobweb diagram, using discontinuous function.
Iteration	ITER06D	C3	C3	FP2	Iteration with active cobweb diagram, not convergent or divergent.
Lines	GRAD01	C1	C1	C1	Gradients and perpendiculars of lines from equations after transposition..
Lines	GRAD01B	C1	C1	C1	New function, two paths, two roots.
Lines	EQLINE01	C1	C1	C1	Write equations of lines that fit information given.
Lines	EQLINE01B	C1	C1	C1	Write equations of lines that fit information given.
Lines	EQLINE21	C1	C1	C1	Write equations of lines that fit information given.
Lines	EQLINE21B	C1	C1	C1	Write equations of lines that fit information given.
Long Division	ALGLDS01	C2	C1	C2	Algebraic long division. Starter.
Long Division	ALGLDS02	C2	C1	C2	Remainder Theorem. Starter.
Long Division	ALGLD01	C2	C1	C2	Algebraic long division. Worksheet with intro.
Long Division	ALGLD02	C2	C1	C2	Algebraic long division. Worksheet with intro.
Long Division	ALGLD03	C2	C1	C2	Algebraic long division. Worksheet with intro.
Long Division	ALGLD04	C2	C1	C2	Algebraic long division. Worksheet with intro.
Long Division	ALGLD05	C2	C1	C2	Algebraic long division. Worksheet.
Long Division	ALGLD06	C2	C1	C2	Algebraic long division. Worksheet.
Long Division	ALGLD07	C2	C1	C2	Using the Remainder Theorem. Worksheet.
Long Division	ALGLD07B	C2	C1	C2	Using the Remainder Theorem. Worksheet.
Partial Fractions	PARFRACS01	C4	C4	C4	Writing as partial fractions with linear factors.
Partial Fractions	PARFRACS02	C4	C4	C4	Writing as partial fractions with repeated factor.
Partial Fractions	PARFRACS03	C4	C4	C4	Writing as partial fractions with quadratic factor.
Progressions	ARPROG01	C1/2	C2	C2	Explore arithmetic progressions. (Series).
Progressions	GEPROG01	C1/2	C2	C2	Explore geometric progressions. (Series).
Progressions	QUPROG01	C1/2	C2	C2	Explore quadratic progressions. (Series).
Quadratics	CSQUR01	C1	C1	C1	Complete the square: $x^2 + bx + c$: intro.
Quadratics	CSQUR01B	C1	C1	C1	Complete the square: $x^2 + bx + c$: intro.
Quadratics	CSQUR02	C1	C1	C1	Complete the square: $x^2 + bx + c$.
Quadratics	CSQUR02B	C1	C1	C1	Complete the square: $x^2 + bx + c$.
Quadratics	CSQUR03	C1	C1	C1	Complete the square: $ax^2 + bx + c$: intro.
Quadratics	CSQUR03B	C1	C1	C1	Complete the square: $ax^2 + bx + c$: intro.
Quadratics	CSQUR04	C1	C1	C1	Complete the square: $ax^2 + bx + c$.
Quadratics	CSQUR04B	C1	C1	C1	Complete the square: $ax^2 + bx + c$.
Quadratics	EQUAD01	C1	C1	C1	Use quadratic formula to solve quadratics.
Quadratics	EQUAD01B	C1	C1	C1	Use quadratic formula to solve quadratics.
Quadratics	GRAF09	C1	C1	C1	Graphical tool: introduction to stationary points.
Quadratics	GRAF10	C1	C1	C1	Graphical tool: practice with discriminant.
Quadratics	QUADS01A	C1	C1	C1	Calculate stationary points.
Quadratics	QUADS01B	C1	C1	C1	Calculate stationary points.
Quadratics	QUADS02A	C1	C1	C1	Calculate stationary points.
Quadratics	QUADS02B	C1	C1	C1	Calculate stationary points.
Quadratics	QUADS03	C1	C1	C1	Building quadratics from given roots
Quadratics	QUADS03B	C1	C1	C1	Building quadratics from given roots
Quadratics	QUADS05	C1	C1	C1	Discriminant and roots. Finding number of roots of quadratic equations.
Quadratics	QUADS05B	C1	C1	C1	Discriminant and roots. Finding number of roots of quadratic equations.
Quadratics	SOLQU02	C1	C1	C1	Factorize and solve quadratics.
Quadratics	SOLQU02B	C1	C1	C1	Factorize and solve quadratics.
Quadratics	SQSP01	C1	C1	C1	Preliminary practice finding roots given sum and product of roots.
Quadratics	SQSP01B	C1	C1	C1	Preliminary practice finding roots given sum and product of roots.
Quadratics	SQSP02	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$.
Quadratics	SQSP02B	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$.
Quadratics	SQSP03	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$, req transposition.
Quadratics	SQSP03B	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$, req transposition.
Sequences	NTERM03	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Sequences	DIFQUAD01	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Sequences	DIFQUAD01QA	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Sequences	DIFQUAD01QB	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Sequences	DIFQUAD02QA	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.

Sequences	DIFQUAD02QB	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Sequences	NTERM03B	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Sequences	NTERM04	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Sequences	NTERM04B	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Series	GEOMEAN	C1/C2	C2	C2	Geometric mean. Tool.
Series	DATA15A	C1/C2	C2	C2	Geometric mean.
Series	DATA15B	C1/C2	C2	C2	Geometric mean.
Surds	SURDS01	C1	C1	C1	Surds: irrational numbers.
Surds	SQUART03	C1	C1	C1	Root $a \times \text{root } b = \text{root}(a \times b)$.
Surds	SURDS01B	C1	C1	C1	Surds: irrational numbers.
Surds	SURDS1A	C1	C1	C1	Express as simplified surd.
Surds	SURDS1B	C1	C1	C1	Express as simplified surd.
Surds	SURDS2A	C1	C1	C1	Express as single square root.
Surds	SURDS2B	C1	C1	C1	Express as single square root.
Surds	SURDS3A	C1	C1	C1	Improve/simplify.
Surds	SURDS3B	C1	C1	C1	Improve/simplify.
Surds	SURDS4A	C1	C1	C1	Improve/simplify.
Surds	SURDS4B	C1	C1	C1	Improve/simplify.
Surds	SURDS5A	C1	C1	C1	Improve/simplify (sums and differences).
Surds	SURDS5B	C1	C1	C1	Improve/simplify (sums and differences).
Surds	SURDS6A	C1	C1	C1	Rationalising.
Surds	SURDS6B	C1	C1	C1	Rationalising.
Differentiation	SLOPET01	C1	C1	C1	$y=x^2$: Exploring gradient. Open tool. A close look using a chord. Gradient given.
Differentiation	SLOPET01G	C1	C1	C1	$y=x^2$: Exploring gradient. Open tool. A close look using a chord. Calculate gradient.
Differentiation	SLOPET02	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Open tool. Using a chord. Gradient given.
Differentiation	SLOPET02G	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Open tool. Using a chord. Calculate gradient.
Differentiation	SLOPE04	C1	C1	C1	$y=x^2$: Exploring gradient. Open tool. A close look using differences.
Differentiation	SLOPE04B	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Open tool. A close look using differences.
Differentiation	SLOPE04C	C1	C1	C1	$y=x^2$: Exploring gradient. Open tool. Differences and differentiation.
Differentiation	SLOPE04D	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Open tool. Differences and differentiation.
Differentiation	SLOPET05	C1	C1	C1	$y=ax^n+bx+c$: Exploring gradient. Open tool. Using a chord. Gradient given.
Differentiation	SLOPET05G	C1	C1	C1	$y=ax^n+bx+c$: Exploring gradient. Open tool. Using a chord. Calculate gradient.
Differentiation	SLOPE04X	C1	C1	C1	$y=ax^n+bx+c$: Exploring gradient. Open tool. Differences and differentiation.
Differentiation	DIFEQ00	C1	C1	C1	Explore differentiation of a single term.
Differentiation	DIFEQ01	C1	C1	C1	Explore differentiation of other forms of equations.
Differentiation	DIFEX01E	C1	C1	C1	Single term differentiation with active sketch.
Differentiation	DIFEX01F	C1	C1	C1	Single term differentiation with active sketch. Function notation.
Differentiation	SLOPE05	C1	C1	C1	$y=ax^2+c$: Exploring gradient. Open tool. Differential prompt.
tangent	TANCIRC01	C1	C1	C1	Exploring tangent to the circumference of a circle. Action button.
Differentiation	SLOPE06	C1	C1	C1	$y=ax^2+c$: Exploring gradient. Open tool. Differentiate and substitute.
Differentiation	SLOPE07	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Differentiate and substitute.
Differentiation	SLOPE07AT	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Differentiate and substitute. With tangent action.
Differentiation	SLOPE08	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Write the equation of the tangent.
Differentiation	SLOPE09	C1	C1	C1	$y=ax^2+bx+c$: Exploring gradient. Using two close points to determine the gradient.
Differentiation	SLOPE10	C1	C1	C1	$y=ax^n+bx+c$: Exploring gradient. Using two close points to determine the gradient.
Differentiation	SLOPE10AT	C1	C1	C1	$y=ax^n+bx+c$: Exploring gradient. Using two close points to determine the gradient. (Action).
Differentiation	SLOPE12	C1	C1	C1	$y=ax^2+bx+c$: choose values and find the equation of the tangent. Open tool.
Differentiation	SLOPE14	C1	C1	C1	Cubic, 4 variables: choose values and find the equation of the tangent. Open tool.
Differentiation	SLOPE15	C1	C1	C1	Quartic, 5 variables: choose values and find the equation of the tangent. Open tool.
Differentiation	POLYGRAF20	C1	C1	C1	$y=ax^2+bx+c$: Gradient using tangent and differentiation.
Differentiation	POLYGRAF21	C1	C1	C1	$y=ax^n+bx+c$: Find gradient using differentiation.
Differentiation	POLYGRAF22	C1	C1	C1	$y=ax^n+bx+c$: Find gradient and tangent using differentiation.
Differentiation	POLYGRAF23	C1	C1	C1	$y=ax^n+bx+c$: Find tangent and gradient of normal using differentiation.
Differentiation	DIFUNCT01	C1	C1	C1	Differentiate, gradient, equation of tangent, gradient of the normal.
Differentiation	DIFUNCT01B	C1	C1	C1	Differentiate, gradient, equation of tangent, gradient of the normal.
Differentiation	STPOINT01	C1	C1	C1	$y=ax^2+bx+c$: Explore stationary point. Open tool.
Differentiation	STPOINT02	C1	C1	C1	Cubics with 4 variables: Explore stationary points. Open tool.
Differentiation	STPOINT03	C1	C1	C1	Quartics with 5 variables: Explore stationary points. Open tool.
The 2nd derivative	STPOINT04	C1	C1	C1	Cubics with 4 variables: Explore second derivative and point of inflection. Open tool.
Differentiation	STPOINT01AT	C1	C1	C1	$y=ax^2+bx+c$: Explore stationary point. Open tool. With tangent action.
Differentiation	STPOINT02AT	C1	C1	C1	Cubics with 4 variables: Explore stationary points. Open tool. With tangent action.
Differentiation	STPOINT03AT	C1	C1	C1	Quartics with 5 variables: Explore stationary points. Open tool. With tangent action.
Differentiation	STPOINT02A	C1	C1	C1	Graphs of cubics with 4 variables: stationary points. 10 questions.
Differentiation	EQLINE31	C1	C1	C1	Write equations of tangents to polynomials.
Differentiation	EQLINE31B	C1	C1	C1	Write equations of tangents to polynomials.
The 2nd derivative	STPOINT04A	C1	C1	C1	Graphs of cubics: second derivative and point of inflection. 10 questions.
Integration	INTEX01E	C1	C1	C2	Single term integration. Introduction. Reverse differentiation.
Integration	INTEX01F	C1	C1	C2	Single term integration. Introduction. Function notation. Reverse differentiation.
Integration	INTEX02	C1	C1	C2	Single term integration. Introduction.Simple.
Integration	INTEX03	C1	C1	C2	Single term integration. Pos. and neg. indices. Between limits with sketch.
Integration	INTEX04	C1	C1	C2	Single term integration. Pos. and neg. indices. Between limits with graph.
Integration	INTEX04V	C1	C1	C2	As above with scaleable y axis.
Integration	TRAPM03	C2	C2	C2	Area under graphs between limits, up to quartic, shows trapezium rule method.
Integration	TRAPM03C	C2	C2	C2	Area under graphs between limits, up to quartic, compare integral and trapezium rule solution
Integration	MIDORD03	C2	C2	C2	Area under graphs between limits, up to quartic, shows mid-ordinate rule method.
Integration	MIDORD03C	C2	C2	C2	Area under graphs between limits, up to quartic, compare integral and mid-ordinate rule solut
Integration	MIDORD03C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Integration	INTGR03	C2	C2	C2	Area under graphs between limits, shading, up to quartic, uses trapezium rule method.

Integration	INTGR032	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Integration	INTGR03C	C2	C2	C2	Area under graphs between limits, shading, up to quartic, compare integral and trapezium rule
Integration	INTGR03C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Integration	INTGR04C	C2	C2	C2	Area under graphs between limits, shading, up to quartic, compare integral, trapezium and m
Integration	INTGR04C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Integration	INTGR05C	C2	C2	C2	Area under graphs as above, with line $y = n$. Observe the effect on the differentiated function.
Integration	INTGR05C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Integration	TRAPM10A	C2	C2	C2	Calculate area under graphs. Quadratic. Trapeziums shown. 5 questions.
Integration	TRAPM10B	C2	C2	C2	Calculate area under graphs. Quadratic. Trapeziums shown. 5 questions.
Integration	TRAPM11A	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Integration	TRAPM11B	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Integration	TRAPM12A	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Integration	TRAPM12B	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Integration	MIDORD10A	C2	C2	C2	Calculate area under graphs. Quadratic. Mid-ordinates shown. 5 questions.
Integration	MIDORD10B	C2	C2	C2	Calculate area under graphs. Quadratic. Mid-ordinates shown. 5 questions.
Integration	MIDORD11A	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Integration	MIDORD11B	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Integration	MIDORD12A	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Integration	MIDORD12B	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Integration	INTGR10A	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Integration	INTGR10B	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Integration	INTGR11A	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Integration	INTGR11B	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Integration	INTGR12A	C1	C2	C2	Calculate area under graphs. Integrate first. 5 questions.
Integration	INTGR12B	C1	C2	C2	Calculate area under graphs. Integrate first. 5 questions.
Integration	INTGR14A	C1	C2	C2	Calculate area under graphs. Change form of function and integrate first. 5 questions.
Integration	INTGR14B	C1	C2	C2	Calculate area under graphs. Change form of function and integrate first. 5 questions.
Integration	INTGRP01	C1	C2	C2	Integrate $y = (x + 3)^2$ and calculate the area under the graph within limits set.
Integration	INTGRP02	C1	C2	C2	Integrate $y = (2x - 2)^2$ and calculate the area under the graph within limits set.
Integration	INTGRP03	C1	C2	C2	Integrate $y = (x - 2)^2 + 4$ and calculate the area under the graph within limits set.
Integration	INTGRP04	C1	C2	C2	Integrate $y = 2(x - 1)^2$ and calculate the area under the graph within limits set.
Integration	INTGRP05	C1	C2	C2	Integrate $y = 2(2x - 1)^2 + 4$ and calculate the area under the graph within limits set.
Integration	INTGRP06	C1	C2	C2	Integrate $y = (x + 1)^3$ and calculate the area under the graph within limits set.
Integration	INTGRP07	C1	C2	C2	Integrate $y = (x - 1)^3$ and calculate the area under the graph within limits set.
Integration	INTGRP08	C1	C2	C2	Integrate $y = x(x + 2)^2$ and calculate the area under the graph within limits set.
Integration	INTGRP09	C1	C2	C2	Integrate $y = x(x - 2)^2 + 6$ and calculate the area under the graph within limits set.
Integration	INTGRP10	C1	C2	C2	Integrate $y = x(2x - 2)^2 + 6$ and calculate the area under the graph within limits set.
Combinations	FACTRL	S1	S1	S1	Factorial tool. Evaluate 2! to 9!
Combinations	FACTRL02	S1	S1	S1	Factorial tool. Factorial/Factorial.
Combinations	FACTRL03	S1	S1	S1	Factorial tool. Factorial/Factorial.Factorial.
Combinations	PERMUT01	S1	S1	S1	Explore permutations.
Combinations	PERMUT02	S1	S1	S1	Explore permutations.
Combinations	PERMUT03	S1	S1	S1	Explore permutations.
Combinations	PERMUTQ301	S1	S1	S1	Explore permutations: how many odd numbers.
Combinations	PERMUTQ302	S1	S1	S1	Explore permutations: evens and odds.
Combinations	PERMUTQ401	S1	S1	S1	Explore permutations: letters with repeats.
Combinations	PERMUTQ402	S1	S1	S1	Explore permutations with repeats.
Combinations	PERMUTQ501	S1	S1	S1	Explore permutations with multiple repeats.
Combinations	PERMUTQ502	S1	S1	S1	Explore permutations with multiple repeats.
Combinations	PERMUTQ601	S1	S1	S1	Explore permutations: number of arrangements of subsets.
Combinations	COMBIN01	S1	S1	S1	Explore combinations.
Combinations	COMBINQ01	S1	S1	S1	Combinations questions.
Combinations	COMBINQ02	S1	S1	S1	Combinations questions.
Combinations	PERMUT04	S1	S1	S1	Explore permutations.
Combinations	PERMUT05	S1	S1	S1	Explore permutations without repeats.
Combinations	FACTRLTL	S1	S1	S1	Factorial tool. Evaluates 3 factorials and multiplier/3 factorials and multiplier.
Combinations	FACTRLTL2	S1	S1	S1	Factorial and addition tool.
Combinations	FACTRLTLQ	S1	S1	S1	As above but value not supplied. Evaluate.
Combinations	FACTRLTLQ01	S1	S1	S1	Permutations questions.
Combinations	FACTRLTLQ0B	S1	S1	S1	Permutations questions.
Combinations	FACTRLTLQ7	S1	S1	S1	Permutations questions: repeat use allowed.
Combinations	FACTRLTLQ8	S1	S1	S1	Permutations questions: repeat use allowed.
Combinations	FACTRLTLQ9	S1	S1	S1	Permutations questions: repeat use allowed.
Combinations	FACTRLTLQ15	S1	S1	S1	Written questions with comprehensive tool.
Probability	BINPROB01	S1	S1	S1	Probability with coins. Binomial distribution. Pascal's triangle. Factorial.
Probability	BINPROB02	S1	S1	S1	Probability, coins with questions. Binomial. Pascal's triangle. Factorial.
Probability	PRBAB15T1	S1	S1	S1	Set Notation: Venn diagram.
Probability	PRBAB15T2	S1	S1	S1	Set Notation: Venn diagram.
Probability	PRBAB15T3	S1	S1	S1	Set Notation: Venn diagram.
Probability	PRBAB16T1	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Probability	PRBAB16T2	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Probability	PRBAB16T3	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Probability	PRBAB17T1	S1	S1	S1	Venn diagram: 2 cards.
Probability	PRBAB17T2	S1	S1	S1	Venn diagram: 2 cards.
Probability	PRBAB17T3	S1	S1	S1	Venn diagram: 3 cards.
Probability	PRBAB18T1	S1	S1	S1	3 Subset Venn diagram: cards.
Probability	PRBAB18TR1	S1	S1	S1	Tree diagram: 2 cards.
Probability	PRBAB18TR2	S1	S1	S1	Tree diagram: 2 cards.

Probability	PRBAB18TR3	S1	S1	S1	Tree diagram: 2 cards.
Coordinate Geometry	CG01	C1	C1	C1	Vectors representing displacements.
Coordinate Geometry	CG03	C1	C1	C1	Parallel vectors with different magnitudes: using a scalar.
Coordinate Geometry	CG04	C1	C1	C1	Magnitudes, unit vectors, parallel unit vectors.
Coordinate Geometry	CG05	C1	C1	C1	Magnitudes: expressing as surds.
Coordinate Geometry	CG06	C1	C1	C1	Perpendicular vectors.
Coordinate Geometry	CG07	C1	C1	C1	Gradients.
Coordinate Geometry	CG08	C1	C1	C1	Gradients and perpendicular vectors.
Coordinate Geometry	CG08P	C1	C1	C1	Gradients of vectors and perpendicular vectors.
Coordinate Geometry	CG09	C1	C1	C1	Gradients to lines from diagrams.
Coordinate Geometry	CG10	C1	C1	C1	Gradients to lines given vector and point.
Coordinate Geometry	CGD02	C1	C1	C1	Distance between two points given end-point co-ordinates.
Coordinate Geometry	CGE01	C1	C1	C1	Transposition of equations to form $y = mx + c$.
Coordinate Geometry	CGE02	C1	C1	C1	Gradient and intercept from equations: some mental transposition needed.
Coordinate Geometry	CGE03	C1	C1	C1	Transposition of equations to the form $ax + by = c$.
Coordinate Geometry	CGG01	C1	C1	C1	Finding gradients given two points.
Coordinate Geometry	CGMP01	C1	C1	C1	Finding mid-points from co-ordinates.
Coordinate Geometry	CGMP02	C1	C1	C1	Finding end-points from mid-points and vectors.
Coordinate Geometry	CGMP03	C1	C1	C1	Finding other points along line segments from end-point co-ordinates.
Coordinate Geometry	CGMP04	C1	C1	C1	Finding other points along line segments using co-ordinates and ratios.
Coordinate Geometry	CGPA01	C1	C1	C1	Find equation of line parallel with given point: introduction.
Coordinate Geometry	CGPA02	C1	C1	C1	Equation of line parallel with given point: practice: equ. in different forms.
Coordinate Geometry	CGPE01	C1	C1	C1	Find equation of line perpendicular with given point: introduction.
Coordinate Geometry	CGPE02	C1	C1	C1	Equation of line perpendicular with given point: practice.
Coordinate Geometry	CG02	C1	C1	C1	Magnitudes.
Logarithms	INDICLOG00	C2	C2	C2	Logs as indices: explore notation and meaning.
Logarithms	INDICLOG00B	C2	C2	C2	Logs as indices: any number to the power 0 is 1.
Logarithms	INDICLOG00X	C3	C3	C3	Logs as indices: explore notation and meaning inc. natural log.
Logarithms	INDICLOG01X	C3	C3	C3	Graphs of n^x against $\text{Log}_n x$ (inc. natural log).
Logarithms	INDICLOG1	C2	C2	C2	Logs as indices: explore notation and meaning.
Logarithms	INDICLOG2	C2	C2	C2	Explore $\log_{10}(y) = \log_{10}(10x)$.
Logarithms	INDICLOG3	C2	C2	C2	Given y , solve $y = 2^x$ for x using logs, exposition.
Logarithms	INDICLOG3B	C2	C2	C2	Using log base 10 to solve problems with logs in other bases: explore.
Logarithms	INDICLOG3Q	C2	C2	C2	Using log base 10 to solve problems with logs in other bases: practice.
Logarithms	INDICLOG4	C2	C2	C2	Given y , solve $y = 2^x$ for x using logs: practice.
Logarithms	INDICLOG5	C2	C2	C2	Adding and subtracting logs: practice with various situations.
Logarithms	INDICLOG6	C2	C2	C2	Negative indices and logs.
Logarithms	LOG10X	C2	C2	C2	Explore inverse using graph of $y = 10^x$
Logarithms	LOG2X	C2	C2	C2	Explore inverse using graph of $y = 2^x$
Logarithms	LOG2XB	C2	C2	C2	Explore graph of $y = \log_2 x$
Logarithms	LOG2XE	C2	C2	C2	Transpose graph of $y = \log_2 x$
Equilibrium	BEAM01S	M1	M1	M1	Balance the beam with distance and mass. Intro. Open.
Equilibrium	BEAM01Q	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Equilibrium	BEAM01QB	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Equilibrium	BEAM02Q	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Equilibrium	BEAM02QB	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Moments	BEAM00	M1	M1	M1	Moments and equilibrium. Introduction.
Moments	BEAM01	M1	M1	M1	Moments and equilibrium
Moments	CEGR00	M2	M2	M1	Moments. Centre of gravity.
Moments	CEGR01	M2	M2	M1	Moments. Centre of gravity.
Moments	LAMIN00	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	LAMIN01	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	LAMIN02	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	MASS00	M2	M2	M1	Combined centre of mass. Four isolated masses.
Moments	MASS00B	M2	M2	M1	Combined centre of mass. Four isolated masses.
Moments	CENTRD00	M2	M2	M1	Centroids of triangles. Introduction and 10 questions.
Moments	LAMIN03	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	LAMIN04	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	LAMIN05	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	LAMIN06	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Moments	CENTROID02	M2	M2	M1	Centroids of triangles. Draw and calculate using trigonometry. Extension.
Kinematics	SPD01	M1	M1	M1	$v = ut$
Kinematics	SPD02	M1	M1	M1	$s = \frac{1}{2}at^2$
Kinematics	SPD03	M1	M1	M1	$s = ut + \frac{1}{2}at^2$
Kinematics	SPD04	M1	M1	M1	$v = u + at$
Kinematics	SPD05	M1	M1	M1	$v = u^2 + 2as$
Multiplication	FUNMUL01	X	X	X	Investigate unusual way of multiplying two digit numbers.
Multiplication	FUNMUL02	X	X	X	Investigate unusual way of multiplying two digit numbers.
Error	ERRORS01	X	X	X	Relative and percentage error.
Error	PERC07E	X	X	X	Maximum error as a percentage.
Error	PERC07F	X	X	X	Maximum error as a percentage.
Set Notation	SETNW01A	S1	S1	S4	Set notation: overview: Universal set, elements, number, union and intersection.
Set Notation	SETNW01B	S1	S1	S4	Set notation: sorting numbers: union and intersection: sorting diagram (Venn).
Set Notation	SETNW01C	S1	S1	S4	Set notation: Sorting numbers: union and intersection: interactive sorting diagram.
Set Notation	SETNW01D	S1	S1	S4	Set notation: sorting numbers: complement: interactive sorting diagram.
Set Notation	SETNW02	S1	S1	S4	Set notation: union, intersection and complement. Venn diagram supplied.
Set Notation	SETNW03	S1	S1	S4	Union, intersection and complement with co-ordinates. Venn diagram supplied.

Set Notation	SETNW04	S1	S1	S4	Union, intersection and complement. Interactive Venn diagram.
Set Notation	SETNW04B	S1	S1	S4	Union, intersection and complement. Interactive Venn diagram.
Set Notation	SETNW05	S1	S1	S4	The number line. Symbols for integers, rational and real numbers.
Angle	CANGCC	C2	C2	C2	Circle geometry: angle at centre and circumference: calculate angles: trig.
Angle	CANGCT	C2	C2	C2	Circle geometry: calculate angles of circumscribed triangle using trig.
Angle	ANGLEC01T	KS4	KS4	KS4	Circle geometry: same segment.
Angle	ANGLEC02T	KS4	KS4	KS4	Circle geometry: same segment: angle at centre.
Angle	ANGLEC03T	KS4	KS4	KS4	Circle geometry: same segment: angle at centre.
Angle	ANGLEC04T	KS4	KS4	KS4	Circle geometry: angle in semi-circle: cyclic quadrilateral.
Angle	ANGLEC05T	KS4	KS4	KS4	Circle geometry: tangent: same segment: centre.
Angle	ANGLEC06T	KS4	KS4	KS4	Circle geometry: tangent: centre: equal chords.
Angle	ANGLEC07T	KS4	KS4	KS4	Circle geometry: intersecting tangents.
Angle	CIRCANG4P	KS4	KS4	KS4	Circle geometry: 4 points : 4 connections: angles calculated.
Angle	CIRCANG4P2	KS4	KS4	KS4	Circle geometry: 4 points : 6 connections: angles calculated.
Angle	CIRCANGCC	C2	C2	C2	Circle geometry: angle at centre and circumference: angles calculated.
Angle	CIRCANGCC2	C2	C2	C2	Circle geometry: angle at centre and circumference: angles calculated.
Angle	CIRCANGCQ	C2	C2	C2	Circle geometry: opposite angles of cyclic quadrilateral: angles calculated.
Angle	CIRCGQ01	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles.
Angle	CIRCGQ02	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles.
Angle	CIRCGQ10	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles and distances.
Area	ARCONE01	KS4	KS4	KS4	Surface area of cone from slant or vertical height . (Pythagoras).
Area	ARCONE01	KS4	KS4	KS4	Surface area of cone from slant or vertical height . (Pythagoras).
Area	ARPYR01	KS4	KS4	KS4	Surface area of pyramid given slant height.
Area	ARPYR01B	KS4	KS4	KS4	Surface area of pyramid given slant height.
Area	AREATR09A	C2	C2	C2	Calculate area of triangle using Hero's formula.
Area	AREATR09B	C2	C2	C2	Calculate area of triangle using Hero's formula.
Area under graphs	AREAG04	C2	C2	C2	Area under graphs: speed/time: trapezium rule.
Area under graphs	AREAG04B	C2	C2	C2	Area under graphs: speed/time: trapezium rule.
Area under graphs	AREAG05	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG05B	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG05C	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG05D	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG05E	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG05F	C2	C2	C2	Area under a parabola.
Area under graphs	AREAG06	C2	C2	C2	Area under parabolas: model your own situation.
Circles	CHORD01	C2	C2	C2	Calculating lengths of chords: interactive diagram.
Circles	EQCIRCLE	C2	C1	C1	Explore equation of the circle, active graph.
Circles	SECTOR03	C2	C2	C2	Calculating areas of triangles in sectors: interactive diagram.
Circles	SEG01	C2	C2	C2	Calculating areas of segments: interactive diagram.
Circles	ARCQ01	KS4	KS4	KS4	Lengths of arcs, 5 questions from data and drawings.
Circles	ARCQ02	KS4	KS4	KS4	Lengths of arcs, 5 questions from data and drawings.
Circles	CHORDQ01	C2	C2	C2	Lengths of chords, 5 questions from data and drawings.
Circles	CHORDQ02	C2	C2	C2	Lengths of chords, 5 questions from data and drawings.
Circles	SECTRIQ01	C2	C2	C2	Area of triangle in sector, 5 questions from data and drawings.
Circles	SECTRIQ02	C2	C2	C2	Area of triangle in sector, 5 questions from data and drawings.
Circles	SEGQ01	C2	C2	C2	Area of segment, 5 questions from data and drawings.
Circles	SEGQ02	C2	C2	C2	Area of segment, 5 questions from data and drawings.
Circles	CIRCL06	C2	C2	C2	Area and arcs of parts of circles.
Circles	CIRCL06B	C2	C2	C2	Area and arcs of parts of circles.
Circles	CIRCL07	C2	C2	C2	Area of segments of circles.
Circles	CIRCL07B	C2	C2	C2	Area of segments of circles.
Circles	EQCIRCLE	C2	C1	C1	Equations of circles: explore.
Circles	EQCIRCLE2	C2	C1	C1	Equations of circles: solve.
Circles	EQTANCIRC	C2	C2	C1	Explore tangents to points on the circumference: active diagram.
Circles	EQTANCIRC2	C2	C2	C1	Explore gradients of tangents to points on the circumference of a circle.
Circles	EQTANCIRC3	C2	C2	C1	Explore equations of tangents to points on the circumference of a circle.
Circles	EQTANCIRC4	C2	C2	C1	Explore equations of tangents to points on the circumference of a circle (different).
3D Coordinates	3DCOORD01	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
3D Coordinates	3DCOORD02	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
3D Coordinates	3DCOORD03	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
3D Coordinates	3DCOORD04	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,2,2)
3D Coordinates	3DCOORD05	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (3,3,3)
3D Coordinates	3DCOORD06	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (1,1,1)
3D Coordinates	3DCOORD07	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,4,3)
3D Coordinates	3DCOORD08	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,3,4)
3D Coordinates	3DCOORD09	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,4,3)
Matrices	MAT1	FP3	FP1	FP1	Adding matrices.
Matrices	MAT1T	FP3	FP1	FP1	Subtracting matrices.
Matrices	MAT2	FP3	FP1	FP1	Matrix product (1 by 2) by (2 by 2)
Matrices	MAT2A	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 1)
Matrices	MAT2B	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 2)
Matrices	MAT2C	FP3	FP1	FP1	Matrix product (3 by 2) by (2 by 2)
Matrices	MAT3D	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 2) producing identity: (inverse).
Matrices	MAT3I	FP3	FP1	FP1	Effect of multiplying a 2 by 2 with the Identity matrix.
Matrices	MAT3I2	FP3	FP1	FP1	Effect of multiplying a 2 by 2 by its inverse.
Matrices	MAT3I3	FP3	FP1	FP1	Effect of multiplying a 2 by 2 by its inverse.
Matrices	MAT3I4	FP3	FP1	FP1	Explore multiplying a 2 by 2 by its inverse: introduce determinant.
Matrices	MAT5	FP3	FP1	FP1	Effect of 2 by 2 on unit square: active diagram.

Matrices	MAT5C	FP3	FP1	FP1	Effect of 2 by 2 on rectangle: active diagram.
Matrices	MAT5X	FP3	FP1	FP1	Effect of 2 by 2 on any quadrilateral: active diagram.
Matrices	MATAD1	FP3	FP1	FP1	Adding matrices.
Matrices	MATAD1B	FP3	FP1	FP1	Adding matrices.
Matrices	MATINV01	FP3	FP1	FP1	Effect of 2 by 2 on parallelogram: active diagram.
Matrices	MATINV02	FP3	FP1	FP1	Effect of 2 by 2 on rectangle: active diagram.
Matrices	MATINV03	FP3	FP1	FP1	Effect of 2 by 2 on triangle: active diagram.
Matrices	MATINV04	FP3	FP1	FP1	Effect of 2 by 2 on right angled trapezium: active diagram.
Matrices	MATINV05	FP3	FP1	FP1	Effect of 2 by 2 on basic quadrilateral: active diagram.
Matrices	MATINV10	FP3	FP1	FP1	Effect of 2 by 2 on any quadrilateral: active diagram.
Matrices	MATP0A	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2).
Matrices	MATP0B	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2).
Matrices	MATP0X	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2):some free variables.
Matrices	MATP1A	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1).
Matrices	MATP1B	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1).
Matrices	MATP1X	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1): some free variables.
Matrices	MATP2A	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2).
Matrices	MATP2B	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2).
Matrices	MATP2X	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2): some free variables.
Matrices	MATP3A	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2).
Matrices	MATP3B	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2).
Matrices	MATP3X	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2): some free variables.
Matrices	MATSUB1	FP3	FP1	FP1	Subtracting matrices.
Matrices	MATSUB1B	FP3	FP1	FP1	Subtracting matrices.
Matrices	TRANSFORM1	FP3	FP1	FP1	Explore multiplying by eight 2 by 2 transformation matrices.
Pythagoras	PYTHAG07T	C1	C1	C1	Pythagoras: 3D problem.
Pythagoras	PYTHAG08T	C1	C1	C1	Pythagoras: 3D problem.
Pythagoras	PYTHAG09T	C1	C1	C1	Pythagoras: 3D problem.
Pythagoras	PYTHAG10T	C1	C1	C1	Pythagoras: 3D problem.
Pythagoras	PYTHAGEX3	C1	C1	C1	Pythagoras with interactive diagram. Explore algebraic relationship.
Pythagoras	PYTHAGTS	C1	C1	C1	Pythagoras with interactive diagram. Explore trigonometric relationship.
Pythagoras	TRIANGLES2	C1	C1	C1	Draw and identify type of triangle using Pythagoras.
Vectors	VECT01	M1	M1	M1	Vectors: as directed numbers in brackets.
Vectors	VECT02	M1	M1	M1	Magnitude of vectors.
Vectors	VECT03	M1	M1	M1	Combining vectors.
Vectors	VECT04	M1	M1	M1	Combining vectors.
Vectors	VECT05	M1	M1	M1	Vectors: using mid-points.
Vectors	VECT06	M1	M1	M1	Vectors: using hexagon for questions.
3D Volume	AVCONE01	C1	C1	C1	Surface area and volume of cones.
3D Volume	AVCONE01B	C1	C1	C1	Surface area and volume of cones.
3D Volume	VOLPYR01	C1	C1	C1	Volume of square based pyramids.
3D Volume	VOLPYR01B	C1	C1	C1	Volume of square based pyramids.
3D Volume	VOLPYR02	C1	C1	C1	Volume and mass of square based pyramids.
3D Volume	VOLPYR02B	C1	C1	C1	Volume and mass of square based pyramids.
3D Volume	VOLPYR03	C1	C1	C1	Calculate height given volume and base of square based pyramids.
3D Volume	VOLPYR03B	C1	C1	C1	Calculate height given volume and base of square based pyramids.
3D Volume	VOLPYR04	C1	C1	C1	Volume of octahedra formed from square based pyramids.
3D Volume	VOLPYR04B	C1	C1	C1	Volume of octahedra formed from square based pyramids.
3D Volume	VOLPYR06	C1	C1	C1	Volume of frustum of square based pyramid.