

	Topic	FILENAME	NCL	Type	Lesson Starter Summary	Path to right	1500+ files
Algebra	BIDMAS	ALGEB7T1	A5	SD	Order of operations with numbers: 4 operators and brackets.		
Algebra	BIDMAS	ALGEB7T2	A5	SD	Order of operations with numbers: 4 operators, indices and brackets.		
Algebra	BIDMAS	ALGEB7T3	A5	SD	Order of operations with numbers: 4 operators and brackets.		
Algebra	BIDMAS	ALGEB7T4	A5	SD	Order of operations with numbers: 4 operators, indices and brackets.		
Algebra	BIDMAS	ALGEB8T1	A5	SD	Insert operators to make statements true.		
Algebra	BIDMAS	ALGEB8T2	A5	SD	Insert operators to make statements true.		
Algebra	CO-ORDINATES	COORDPLOT	A4	OPEN	Cartesian co-ordinates, point plotter 4 quadrants: decimal allowed.		
Algebra	CO-ORDINATES	COORDS1	A4	SD	Cartesian co-ordinates.		
Algebra	CO-ORDINATES	COORDS4Q	A4	OPEN	Cartesian co-ordinates, point plotter 4 quadrants: hide input option.		
Algebra	CO-ORDINATES	COORDQ2	A5	SD	Complete the square: 2 adjacent vertices supplied: find others.		
Algebra	CO-ORDINATES	COORDQ3	A5	SD	Complete the square: 2 vertices supplied: find others.		
Algebra	CO-ORDINATES	COORDQ4	A5	SD	Complete the parallelogram: 3 vertices supplied: find others.		
Algebra	CO-ORDINATES	COORDT	A5	SD	Find possible 3rd vertices of isosceles triangle.		
Algebra	CO-ORDINATES	COORDT1	A5	SD	Complete the isosceles triangle: 1 side given: find other vertices.		
Algebra	CO-ORDINATES	COORDT2	A5	SD	Complete the isosceles triangle: 1 side given: find other vertices.		
Algebra	CO-ORDINATES	COORDLL	A5+	OPEN	Four points in line: $ax + by = c$		
Algebra	CO-ORDINATES	COORDL1	A6	SD	Line given: find 4 points and equation.		
Algebra	CO-ORDINATES	COORDL2	A6	SD	Line given: find 4 points and equation.		
Algebra	CO-ORDINATES	COORDL3	A6	SD	Line given: find 4 points and equation.		
Algebra	CO-ORDINATES	COORDL4	A6	SD	Line given: find 4 points and equation.		
Algebra	CO-ORDINATES	COORDL5	A6	SD	Line given: find 4 points and equation.		
Algebra	CO-ORDINATES	COORDLS1	A6	SD	$x+y=6$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS1Y	A6	SD	$y=x$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS2	A6	SD	$2x+y=8$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS2Y	A6	SD	$y=x+4$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS3	A6	SD	$x+2y=4$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS3Y	A6	SD	$y=2x$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS4	A6	SD	$x+y=0$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS4Y	A6	SD	$y=2x-4$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS5	A6	SD	$x-2y=6$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS5Y	A6	SD	$y=-2x$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS6	A6	SD	$-2x+y=8$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS6Y	A6	SD	$y=-2x-3$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS7	A6	SD	$3x+y=-5$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS7Y	A6	SD	$y=-3x-2$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDLS8Y	A6	SD	$y=4x-5$ given: plot 4 suitable points.		
Algebra	CO-ORDINATES	COORDSLT01	A6	SD	$x - y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT02	A6	SD	$x + y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT03	A6	SD	$x + y = 5$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT04	A6	SD	$y - x = 4$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT05	A6	SD	$x - y = 4$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT06	A6	SD	$2x + y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT07	A6	SD	$2x - y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT08	A6	SD	$2x - y = 6$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT09	A6	SD	$2x + y = 6$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT10	A6	SD	$10 = 2x - y$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT11	A6	SD	$x + 2y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT12	A6	SD	$x - 2y = 0$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT13	A6	SD	$x + 2y = 6$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT14	A6	SD	$x - 2y = 8$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLT15	A6	SD	$y + 2x = 5$ given: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDSLTM	A6	OPEN	Open input: plot 4 suitable points and transpose equation to form $y =$.		
Algebra	CO-ORDINATES	COORDLSY	A6+	OPEN	Four points in line: $y = mx + c$		
Algebra	CO-ORDINATES	COORDP4	A6+	OPEN	Plots 4 points from input co-ordinates: 4 quadrants.		
Algebra	CO-ORDINATES	COORDPL10	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL11	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL12	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL13	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL14	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL15	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL2	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL3	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL4	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL5	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL6	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL7	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL8	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	CO-ORDINATES	COORDPL9	A8	SD	Plot 4 points on the line and find the equation of the parabola.		
Algebra	EQUATIONS	ALGEB02T1	A5	SD	Letters for numbers: simple + and -: positive.		
Algebra	EQUATIONS	ALGEB02T2	A5	SD	Letters for numbers: simple + and -: some negative.		
Algebra	EQUATIONS	ALGEB02T3	A5	SD	Letters for numbers: simple x and \div : some negative.		
Algebra	EQUATIONS	ALGEB02T4	A5	SD	Letters for numbers: simple x and \div : some negative.		
Algebra	EQUATIONS	ALGEB02T5	A5	SD	Letters for numbers: using 4 operators.		
Algebra	EQUATIONS	MACHAMT1	A5+	OPEN	Create and solve equations using inverse machines: four operators.		
Algebra	EQUATIONS	MACHAMT2	A5+	OPEN	Create and solve equations using inverse machines: four operators.		
Algebra	EQUATIONS	MACHATT	A5+	OPEN	Create and solve equations using inverse machines: add and subtract.		
Algebra	EQUATIONS	MACHMDT	A5+	OPEN	Create and solve equations using inverse machines: multiply and divide.		
Algebra	EQUATIONS	MACHTRT1	A5+	OPEN	Machine: form simple equation, machine transposes: $y=x+c$		
Algebra	EQUATIONS	MACHTRT2	A5+	OPEN	Machine: form simple equation, machine transposes: $y=ax$		
Algebra	EQUATIONS	SOLVE16	A5+	OPEN	Create and solve equations of the form $x/b=y$		
Algebra	EQUATIONS	SOLVE17	A5+	OPEN	Create and solve equations of the form $ax/b=y$		
Algebra	EQUATIONS	STOP01	A5+	OPEN	Formula for finding the stopping distance of a car.		
Algebra	EQUATIONS	ALGEB39T1	A6	SD	Number pairs towards factorising quadratics.		
Algebra	EQUATIONS	EXSOLT1	A6	SD	Expand brackets and solve.		

Algebra	EQUATIONS	EXSOLT2	A6	SD	Expand brackets and solve.
Algebra	EQUATIONS	EXSOLT3	A6	SD	Expand brackets and solve.
Algebra	EQUATIONS	EXSOLT4	A6	SD	Expand brackets and solve.
Algebra	EQUATIONS	ALGEB39TT	A6+	OPEN	Number pairs towards factorising quadratics.
Algebra	EQUATIONS	MACHTRT3	A6+	OPEN	Machine: form simple equation, machine transposes: $y=ax+c$
Algebra	EQUATIONS	SOLVE01	A6+	OPEN	Create and solve equations of the form $ax+b=y$
Algebra	EQUATIONS	SOLVE02	A6+	OPEN	Create and solve equations of the form $ax-b=y$
Algebra	EQUATIONS	SOLVE03	A6+	OPEN	Create and solve equations of the form $b-ax=y$
Algebra	EQUATIONS	SOLVE18	A6+	OPEN	Create and solve equations of the form $b/x=y$
Algebra	EQUATIONS	SOLVE19	A6+	OPEN	Create and solve equations of the form $b/ax=y$
Algebra	EQUATIONS	SOLVE20	A6+	OPEN	Create and solve equations of the form x^2/y
Algebra	EQUATIONS	SOLVE21	A6+	OPEN	Create and solve equations of the form $b/x^2=y$
Algebra	EQUATIONS	MACHTFT1	A7+	OPEN	Create and solve equations using inverse machines: take from.
Algebra	EQUATIONS	MACHTFT2	A7+	OPEN	Create and solve equations using inverse machines: take from.
Algebra	EQUATIONS	SOLVE04	A7+	OPEN	Create and solve equations of the form $a(x+b)=y$
Algebra	EQUATIONS	SOLVE05	A7+	OPEN	Create and solve equations of the form $a(x-b)=y$
Algebra	EQUATIONS	SOLVE06	A7+	OPEN	Create and solve equations of the form $a(b-x)=y$
Algebra	EQUATIONS	SOLVE07	A7+	OPEN	Create and solve equations of the form $ax^2=y$
Algebra	EQUATIONS	SOLVE08	A7+	OPEN	Create and solve equations of the form $a+ax^2=y$
Algebra	EQUATIONS	SOLVE09	A7+	OPEN	Create and solve equations of the form $b+ax^2=y$
Algebra	EQUATIONS	SOLVE10	A7+	OPEN	Create and solve equations of the form $(b+x)^2=y$
Algebra	EQUATIONS	SOLVE11	A7+	OPEN	Create and solve equations of the form $(x-b)^2=y$
Algebra	EQUATIONS	SOLVE12	A7+	OPEN	Create and solve equations of the form $(b-x)^2=y$
Algebra	EQUATIONS	SOLVE13	A7+	OPEN	Create and solve equations of the form $a(b+x)^2=y$
Algebra	EQUATIONS	SOLVE14	A7+	OPEN	Create and solve equations of the form $a(x-b)^2=y$
Algebra	EQUATIONS	SOLVE15	A7+	OPEN	Create and solve equations of the form $a(b-x)^2=y$
Algebra	EQUATIONS	SOLVE22	A7+	OPEN	Create and solve equations of the form $ax^2/b=y$
Algebra	EQUATIONS	SOLVE23	A7+	OPEN	Create and solve equations of the form $b/ax^2=y$
Algebra	EXPANSION	ALGEB12T1	A5	SD	Expressions with variables: expand brackets.
Algebra	EXPANSION	ALGEB12T2	A5	SD	Expressions with variables: expand brackets.
Algebra	EXPANSION	ALGEB12T3	A6	SD	Expressions: expand brackets.
Algebra	EXPANSION	ALGEB12T4	A6	SD	Expressions: expand brackets.
Algebra	EXPANSION	ALGEB12T5	A6	SD	Expressions: expand brackets.
Algebra	FACTORIZE	FACTORZS1	A7	SD	Factorizing expressions.
Algebra	FACTORIZE	SQDIFS1	A8	SD	Factorizing using difference of two squares.
Algebra	FORMULAE	FORMU01T	A7	SD	Suitable formulae: length and area.
Algebra	FORMULAE	FORMU02T	A7	SD	Suitable formulae: area and volume.
Algebra	FORMULAE	FORMU03T	A7	SD	Suitable formulae: length, area and volume.
Algebra	FORMULAE	FORMU04T	A7	SD	Suitable formulae: length, area and volume.
Algebra	FUNCTIONS	FUNCTRT1	A6	OPEN	Inverse of Linear Functions: Machine: $+/-$.
Algebra	FUNCTIONS	FUNCTRT2	A6	OPEN	Inverse of Linear Functions: Machine: x/\div .
Algebra	FUNCTIONS	FUNCTRT3	A6	OPEN	Inverse of Linear Functions: Machine: TF.
Algebra	FUNCTIONS	FUNCTRT4	A6	OPEN	Inverse of Linear Functions: Machine: $x/\div +/-$.
Algebra	FUNCTIONS	FUNCTRT5	A6	OPEN	Inverse of Linear Functions: Machine: $x/\div +/-$ TF.
Algebra	GRAPHSA	GRAPHPLT1	A6+	OPEN	Plot $y = ax + c$: 4 quadrants: plot point on line: decimal allowed.
Algebra	GRAPHSA	LINEAR0T	A6+	SD	Find equations of lines using gradient and intercept: gradient indicator.
Algebra	GRAPHSA	LINEAR1T	A6+	SD	Find equations of lines given and explore.
Algebra	GRAPHSA	LINEAR2T	A6+	SD	Find equations of lines given and explore.
Algebra	GRAPHSA	LINGRAF1	A6+	OPEN	Introduce $y = ax + c$: 1st quadrant: active graph.
Algebra	GRAPHSA	LINGRAF2	A6+	OPEN	Introduce $y = ax + c$: 1st & 4th quadrants: active graph.
Algebra	GRAPHSA	LINGRAF3	A6+	OPEN	Introduce $y = ax + c$: 4 quadrants: active graph.
Algebra	GRAPHSA	GRAPHPLT2	A7+	OPEN	Introduce $y = ax^2 + c$: plot point on line.
Algebra	GRAPHSA	GRAPHPLT3	A7+	OPEN	Introduce $y = ax^2 + bx + c$: plot point on line.
Algebra	GRAPHSA	LINGRAF4	A7+	OPEN	Introduce $y = ax + c$: 4 quadrants: intersection with $y = x$: active graph.
Algebra	GRAPHSA	LINGRAF5	A7+	OPEN	Introduce $y = ax + c$: 4 quadrants: intersection with $y = mx+n$: active graph.
Algebra	GRAPHSA	PARAB1T	A7+	SD	Find equations of lines given and explore.
Algebra	GRAPHSA	PARAB2T	A7+	SD	Find equations of lines given and explore.
Algebra	GRAPHSA	GRAF11	A8+	OPEN	$y=a/x$: explore.
Algebra	GRAPHSA	MFUNCST	AX	OPEN	$y=ax^n+bx+c$: Explore negative indices
Algebra	GRAPHSA	GRAF11B	A8+	OPEN	$y=a/x+c$: explore.
Algebra	GRAPHSA	GRAF11C	A8+	OPEN	$y=a/x+bx+c$: explore.
Algebra	GRAPHSA	GRAF11D	A8+	OPEN	$y=a/nx+bx+c$: explore.
Algebra	GRAPHSA	GRAF11E	A8+	OPEN	$y = a/(x+n)$: explore.
Algebra	GRAPHSA	GRAF12	A8+	OPEN	$y=a/x^n$: explore.
Algebra	GRAPHSA	GRAF12B	A8+	OPEN	$y=a/x^n+c$: explore.
Algebra	GRAPHSA	GRAF12C	A8+	OPEN	$y=a/x^n+bx+c$: explore.
Algebra	GRAPHSA	POLYGRAF	A8+	OPEN	$y=ax^2, y=k$: give intersection to solve quadratic
Algebra	GRAPHSA	POLYGRAF1	A8+	OPEN	$y=ax^2+c, y=k$: give intersection to solve quadratic
Algebra	GRAPHSA	POLYGRAF2	A8+	OPEN	$y=ax^2+c, y=mx+k$: give intersection to solve quadratic
Algebra	GRAPHSA	POLYGRAF3	A8+	OPEN	$y=ax^2+bx+c$: explore: $y=(x+?)^2$.
Algebra	GRAPHSA	POLYGRAF4	A8+	OPEN	$y=ax^2+bx+c, y=mx+k$: give intersection to solve quadratic: with table.
Algebra	GRAPHSA	POLYGRAF4S	A8+	OPEN	$y=ax^2+bx+c, y=mx+k$: give intersection to solve quadratic: no table.
Algebra	GRAPHSA	POLYGRAF5	A8+	OPEN	$y=axn+bx+c$: explore.
Algebra	GRAPHSA	POLYGRAF6	A8+	OPEN	$y=a(x+b)n+c$: explore.
Algebra	GRAPHSA	POLYGRAF7	A8+	OPEN	$y=ax^2+bx+c$: tangent given.
Algebra	GRAPHSA	POLYGRAF8	A8+	OPEN	$y=ax^2+bx+c$: calculate tangent.
Algebra	GRAPHSA	GRAF14S	AX	OPEN	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable.
Algebra	GRAPHSA	GRAF14VS	AX	OPEN	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	GRAPHSA	GRAF14VX	AX	OPEN	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	GRAPHSA	GRAF15VS	AX	OPEN	$y=a(x+b)^2+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	GRAPHSA	GRAF16	AX	OPEN	$y=ax^n+bx+c$: compare with 8 transformations, 1 variable.
Algebra	GRAPHSA	GRAFDISC	AX	OPEN	Parabolas: discriminant.
Algebra	GRAPHSA	GRAFMOD1	AX	OPEN	Modulus $y= ax^n+bx+c $: explore.
Algebra	GRAPHSA	GRAFMOD2A	AX	OPEN	Modulus $y= a/x $: explore.
Algebra	GRAPHSA	GRAFMOD2B	AX	OPEN	Modulus $y= a/x+c $: explore.

Algebra	GRAPHSA	GRAFMOD2C	AX	OPEN	Modulus $y= a/x+bx+c $: explore.
Algebra	GRAPHSA	GRAFMOD2D	AX	OPEN	Modulus $y= a/nx+bx+c $: explore.
Algebra	GRAPHSA	GRAFMOD2E	AX	OPEN	Modulus $y = a/(x+n) $: explore.
Algebra	GRAPHSA	GRAFMOD3A	AX	OPEN	Modulus $y= a/x^n $: explore.
Algebra	GRAPHSA	GRAFMOD3B	AX	OPEN	Modulus $y= a/x^n+c $: explore.
Algebra	GRAPHSA	GRAFMOD3C	AX	OPEN	Modulus $y= a/x^n+bx+c $: explore.
Algebra	GRAPHSA	GRAFSP	AX	OPEN	Parabolas: stationary points.
Algebra	GRAPHSA	MFUNC01	AX	OPEN	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	GRAPHSA	MFUNC02	AX	OPEN	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	GRAPHSA	MFUNC03	AX	OPEN	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	GRAPHSA	POLYGRAF10	AX	OPEN	$y=a(x+b)^n+c$: compare with 8 transformations, 2 variables.
Algebra	GRAPHSA	POLYGRAF20	AX	OPEN	$y=ax^2+bx+c$: Gradient using tangent and differentiation.
Algebra	GRAPHSA	POLYGRAF21	AX	OPEN	$y=ax^n+bx+c$: Find gradient using differentiation.
Algebra	GRAPHSA	POLYGRAF22	AX	OPEN	$y=ax^n+bx+c$: Find gradient and tangent using differentiation.
Algebra	GRAPHSA	POLYGRAF23	AX	OPEN	$y=ax^n+bx+c$: Find tangent and gradient of normal using differentiation.
Algebra	GRAPHSA	POLYGRAF9	AX	OPEN	$y=a(x+b)^n+c$: compare with 8 transformations, 1 variable.
Algebra	INDICESA	ASIMP1	A6+	OPEN	Algebra: multiplication with indices.
Algebra	INDICESA	ASIMP2	A6+	OPEN	Algebra: division with indices.
Algebra	INEQUALITIES	COORDSP1	A7	SD	Satisfying inequalities: plot 6 points: $x > x < y < y < \text{positive}$.
Algebra	INEQUALITIES	COORDSP2	A7	SD	Satisfying inequalities: plot 6 points: $x > x < y < y < \text{positive and negative}$.
Algebra	INEQUALITIES	COORDSP3	A7	SD	Satisfying inequalities: plot 6 points: $x \leq y = \text{positive and negative}$.
Algebra	INEQUALITIES	COORDSP4	A7	SD	Satisfying inequalities: plot 6 points: $x \leq y = \text{positive and negative}$.
Algebra	INEQUALITIES	COORDSP5	A8	SD	Satisfying inequalities: plot 6 points: extension 1.
Algebra	INEQUALITIES	COORDSP6	A8	SD	Satisfying inequalities: plot 6 points: extension 2.
Algebra	INEQUALITIES	COORDSP7	A8	SD	Satisfying inequalities: plot 6 points: extension 3.
Algebra	MACHINES	MACHXT1	A5+	OPEN	Algebraic: single: forming equations and co-ordinates.
Algebra	MACHINES	MACHXT2	A5+	OPEN	Algebraic: double: forming equations and co-ordinates.
Algebra	NOTATION	XIS01	A6+	OPEN	Think of a number: flow chart: algebraic explanation.
Algebra	NOTATION	XIS02	A6+	OPEN	Think of a number: flow chart: algebraic explanation.
Algebra	NOTATION	XIS03	A6+	OPEN	Think of a number: flow chart: algebraic explanation.
Algebra	NOTATION	XIS04	A6+	OPEN	Think of a number: flow chart: algebraic explanation.
Algebra	NOTATION	XIS05	A6+	OPEN	Think of a number: flow chart: algebraic explanation.
Algebra	PROGRESSIONS	ARPROG01	AX	OPEN	Explore arithmetic progressions.
Algebra	PROGRESSIONS	GEPROG01	AX	OPEN	Explore geometric progressions.
Algebra	PROGRESSIONS	QUPROG01	AX	OPEN	Explore quadratic progressions.
Algebra	QUADRATICS	SQDIF01T	A8	SD	Writing as difference of two squares.
Algebra	QUADRATICS	SQSP01T	A8	SD	Preliminary practice evaluating roots from sum and product.
Algebra	QUADRATICS	SQSP03T	A8	SD	Determine a,b and c for $ax^2+bx+c=0$ with transpose.
Algebra	QUADRATICS	EQAD01T	AX	SD	Solve quadratics using formula.
Algebra	QUADRATICS	SQSP04T	AX	SD	Solve quadratics using sum and product of roots.
Algebra	QUADRATICS	SQSP05T	AX	SD	Solve quadratics using sum and product of roots: transposition required.
Algebra	SEQUENCES	NTERTM1	A6	SD	Find expression for nth term of sequence: linear: first difference.
Algebra	SEQUENCES	NTERTM2	A7	SD	Find expression for nth term of sequence: quadratic: second difference.
Algebra	SIMULTANEOUS	SIMULT01	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT02	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT03	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT04	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT05	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT06	A7	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SOLVEM00T	A7	SD	Three unknowns: three equations: addition.
Algebra	SIMULTANEOUS	SIMULT07	A8	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT08	A8	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT09	A8	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT10	A8	SD	Solving simultaneous equations: subtract to evaluate variables.
Algebra	SIMULTANEOUS	SIMULT11	A8	SD	Solving simultaneous equations: scaling and subtraction using ratio.
Algebra	SIMULTANEOUS	SOLVEM01T	A8	SD	Five unknowns: five equations: addition.
Algebra	SIMULTANEOUS	SOLVEM02T	A8	SD	Five unknowns: five equations: multiplication.
Algebra	SIMULTANEOUS	SOLVEM03T	A8	SD	Four unknowns: four equations: multiplication and addition.
Algebra	SIMULTANEOUS	SOLVEM04T	A8	SD	Four unknowns: four equations: multiplication and addition.
Algebra	SIMULTANEOUS	SOLVEM05T	A8	SD	Four unknowns: four equations: addition.
Algebra	SIMULTANEOUS	SOLVEM06T	A8	SD	Four unknowns: four equations: addition.
Algebra	STRATEGY	BYWIZT1	A6	SD	Infer values from those supplied: if $x+y=8$, $10x + 10y = ?$
Algebra	STRATEGY	BYWIZT2	A6	SD	Infer values from those supplied: if $x+y=24$, $10x + 10y = ?$
Algebra	STRATEGY	BYWIZT3	A6	SD	Infer values from those supplied: if $x+y=2.5$, $10x + 10y = ?$
Algebra	STRATEGY	BYWIZT4	A6	SD	Infer values from those supplied: if $x+y=3.2$, $10x + 10y = ?$
Algebra	SUBSTITUTION	ALGEB13T1	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB13T2	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB13T3	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB13T4	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB14T1	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB14T2	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB14T3	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB14T4	A5	SD	Substitution: same expressions: different variables.
Algebra	SUBSTITUTION	ALGEB16T1	A5	SD	Substitution: same variables: different expressions.
Algebra	SUBSTITUTION	ALGEB16T2	A5	SD	Substitution: same variables: different expressions.
Algebra	SUBSTITUTION	ALGEB16T3	A5	SD	Substitution: same variables: different expressions.
Algebra	SUBSTITUTION	ALGEB16T4	A5	SD	Substitution: same variables: different expressions.
Algebra	SUBSTITUTION	ALGEB15T1	A6	SD	Substitution: Table form.
Algebra	SUBSTITUTION	ALGEB15T2	A6	SD	Substitution: Table form.
Algebra	TRIAL & IMP	TRIALX01	A6+	SD	Trial and improvement. Find x to 1.s.f.
Algebra	TRIAL & IMP	TRIALX02	A6+	SD	Trial and improvement. Find x to 1.s.f.
Algebra	TRIAL & IMP	TRIALX03	A6+	SD	Trial and improvement. Find x to 1.s.f.
Algebra	TRIAL & IMP	TRIALX04	A6+	SD	Trial and improvement. Find x to 1.s.f.
Algebra	TRIAL & IMP	TRIALX11	A6+	SD	Trial and improvement. Find x to 1.s.f. Two solutions.
Algebra	TRIAL & IMP	TRIALX12	A6+	SD	Trial and improvement. Find x to 1.s.f. Two solutions.

Algebra	TRIAL & IMP	TRIALX13	A6+	SD	Trial and improvement. Find x to 1.s.f. Two solutions.
Algebra	TRIAL & IMP	TRIALX14	A6+	SD	Trial and improvement. Find x to 1.s.f. Two solutions.
Algebra	TRIAL & IMP	TRIALX21	A6+	SD	Trial and improvement. Find x to 1.s.f. and 2.s.f.
Algebra	TRIAL & IMP	TRIALX22	A6+	SD	Trial and improvement. Find x to 1.s.f. and 2.s.f.
Algebra	TRIAL & IMP	TRIALX23	A6+	SD	Trial and improvement. Find x to 1.s.f. and 2.s.f.
Algebra	TRIAL & IMP	TRIALX24	A6+	SD	Trial and improvement. Find x to 1.s.f. and 2.s.f.
Algebra	VARIABLES	ALGT2	A4	SD	Algebra: variables: solutions in form n=2: addition
Algebra	VARIABLES	ALGT3	A4	SD	Algebra: variables: solutions in form n=2: subtraction.
Algebra	VARIABLES	PUZSAS1	A4	SD	Solving equations using coloured puzzles.
Algebra	VARIABLES	PUZSAS2	A4	SD	Solving equations using coloured puzzles.
Algebra	VARIABLES	ALGT1	A4+	OPEN	Algebra: variables: solutions in form n=2: addition
Algebra	VARIABLES	ALGT6	A4+	OPEN	Algebra: variables: solutions in form n=2: subtraction.
Algebra	VARIABLES	ALGT4	A5	SD	Algebra: variables: solutions in form n=2: multiplication.
Algebra	VARIABLES	ALGT5	A5	SD	Algebra: variables: solutions in form n=2: division.
Algebra	VARIABLES	PUZSAS3	A5	SD	Solving equations using coloured puzzles.
Algebra	VARIABLES	PUZSAS4	A5	SD	Solving equations using coloured puzzles.
Algebra	VARIABLES	PUZSAS5	A5	SD	Solving equations using coloured puzzles.
Algebra	VARIABLES	ALGT7	A5+	OPEN	Algebra: variables: solutions in form n=2: multiplication.
Algebra	VARIABLES	ALGT8	A5+	OPEN	Algebra: variables: solutions in form n=2: division.
Algebra	VARIABLES	PUZSAT	A5+	OPEN	Solving equations using coloured puzzles.
Data	AVERAGE (MOVING)	MOVAVT	D7	SD	Completing moving average table of values.
Data	AVERAGES	STATST3	D6	SD	Mean, mode and median: with frequency table.
Data	AVERAGES	STATST5	D6	SD	Mean: calculated from frequency diagrams (discrete data).
Data	AVERAGES	STATST6	D6	SD	Mean: estimated from frequency diagrams (continuous data).
Data	BIAS	EFREQU01	D7	SD	Dice scores, trial against expected frequency: graph. Normal and biased.
Data	BIAS	EFREQU02	D7	SD	Interactive table for biased dice scores to complete.
Data	BOUNDS	BOUNSC01	D7	OPEN	Bounds: significance: class intervals: investigate.
Data	BOUNDS	BOUNSC02	D7	OPEN	Bounds: significance: class intervals: both ends included.
Data	BOUNDS	BOUNSC03	D7	OPEN	Bounds: significance: class intervals: upper end included.
Data	BOUNDS	BOUNSC04	D7	OPEN	Bounds: significance: class intervals: lower end included.
Data	BOX&WHSKR	BOX01T	D7+	SD	Box and Whisker diagrams with 10 questions: Range & IQ Range.
Data	BOX&WHSKR	BOX02T	D7+	SD	Box and Whisker diagrams with 10 questions: Range & Skew.
Data	BOX&WHSKR	BOX03T	D7+	SD	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Data	BOX&WHSKR	BOX04T	D7+	SD	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Data	BOX&WHSKR	BOX05T	D7+	SD	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Data	BOX&WHSKR	BOX06T	D7+	SD	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Data	BOX&WHSKR	BOXMP005	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 5.
Data	BOX&WHSKR	BOXMP005X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 5. Outliers.
Data	BOX&WHSKR	BOXMP010	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 10.
Data	BOX&WHSKR	BOXMP010X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 10. Outliers.
Data	BOX&WHSKR	BOXMP050	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 50.
Data	BOX&WHSKR	BOXMP050X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 50. Outliers.
Data	BOX&WHSKR	BOXMP100	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 100.
Data	BOX&WHSKR	BOXMP100X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 100. Outliers.
Data	BOX&WHSKR	BOXMP150	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 150.
Data	BOX&WHSKR	BOXMP150X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 150. Outliers.
Data	BOX&WHSKR	BOXPLOT1	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: skew.
Data	BOX&WHSKR	BOXPLOT1X	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: skew. Outliers.
Data	BOX&WHSKR	BOXPLOT2	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: IQR.
Data	BOX&WHSKR	BOXPLOT2X	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: IQR. Outliers.
Data	BOX&WHSKR	BOXPLOTMP0	D7+	OPEN	Enter data and box plot drawn.
Data	BOX&WHSKR	BOXPLOTMP0X	D7+	OPEN	Enter data and box plot drawn. Outliers.
Data	BOX&WHSKR	BOXPLOTMP1	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: IQR.
Data	BOX&WHSKR	BOXPLOTMP1X	D7+	OPEN	Enter data and box plot drawn and questions set. Open tool: IQR. Outliers.
Data	BOX&WHSKR	BOXPLOTMP2	D7+	OPEN	Enter 2 sets of data and box plots drawn to compare. Open tool. Min 0.
Data	BOX&WHSKR	BOXPLOTMP200	D7+	OPEN	Enter 2 by up to 100 element of data and box plots drawn. Open tool. Min 0.
Data	BOX&WHSKR	BOXPLOTMP200X	D7+	OPEN	Enter 2 by up to 100 element of data and box plots drawn. Open tool. Min 0.
Data	BOX&WHSKR	BOXPLOTMP2X	D7+	OPEN	Enter 2 sets of data and box plots drawn. Open tool. Min 0. Outliers.
Data	BOX&WHSKR	BOXPLOTMP90	D7+	OPEN	Enter data and box plot drawn. Up to 90 elements of data.
Data	BOX&WHSKR	BOXPLOTMP90X	D7+	OPEN	Enter data and box plot drawn. Up to 90 elements of data.
Data	BOX&WHSKR	DATA13T	D7+	SD	Box and Whisker diagram
Data	C-FREQUENCIES	CFDATA1	D7	SD	Cumulative frequency graph to median, quartiles and IQ range: %.
Data	C-FREQUENCIES	CFDATA2	D7	SD	Cumulative frequency graph to median, quartiles and IQ range: %.
Data	C-FREQUENCIES	CFDATA3	D7	SD	Cumulative frequency graph to median, quartiles and IQ range: %.
Data	C-FREQUENCIES	CFDATA4	D7	SD	Cumulative frequency graph to median, quartiles and IQ range: %.
Data	C-FREQUENCIES	CFDATA5	D7	SD	Cumulative frequency graph to median, quartiles and IQ range: %.
Data	C-FREQUENCIES	CFDATA6	D7	SD	Cumulative frequency graph to median, quartiles and IQ range.
Data	C-FREQUENCIES	CFDATA7	D7	SD	Cumulative frequency graph to median, quartiles and IQ range.
Data	C-FREQUENCIES	CFDATA8	D7	SD	Cumulative frequency graph to median, quartiles and IQ range.
Data	C-FREQUENCIES	CFDATA9	D7	SD	Cumulative frequency graph to median, quartiles and IQ range.
Data	CHARTS	LGRAPHS1	D3	SD	Intro to line graphs.
Data	CHARTS	LGRAPHS2	D3	SD	Intro. to bar line charts.
Data	CHARTS	PICTS1	D3	SD	Pictograms: frequency.
Data	CHARTS	TALLY1	D3	SD	Tally chart: frequency.
Data	CHARTS	GRAPHS1	D3+	OPEN	Intro. to bar graphs.
Data	CHARTS	GRAPHS2	D3+	OPEN	Intro. to bar graphs.
Data	CHARTS	GRAPHS3	D3+	OPEN	Intro. to bar graphs.
Data	CHARTS	BARCT01	D4	OPEN	Record and display class results as bar chart: set parameters.
Data	CHARTS	BARCT02	D4	OPEN	Record and display class results as 2 bar charts to compare: set parameters.
Data	CHARTS	DICEDIF	D4	OPEN	Record and display class results: dice differences: probability.
Data	CHARTS	DICESUM	D4	OPEN	Record and display class results: dice sums: probability.
Data	CHARTS	DICEPROD	D5	OPEN	Record and display class results: dice products: probability.
Data	CHARTS	PIEAA01	D5	SD	Pie charts: calculate angle from frequency, appropriate diagram.
Data	CHARTS	PIEAA02	D5	SD	Pie charts: calculate angle from frequency, appropriate diagram.
Data	CHARTS	PIEAA03	D5	SD	Pie charts: calculate angle from frequency, appropriate diagram.

Data	CHARTS	PIEAA04	D5	SD	Pie charts: calculate angle from frequency, appropriate diagram.
Data	CHARTS	PIEAA05	D5	SD	Pie charts: calculate angle from frequency, appropriate diagram.
Data	CHARTS	PIEAA10	D5	OPEN	Pie charts: calculate angle from frequency, appropriate diagram.
Data	CHARTS	PIEAFS01	D5	SD	Pie charts: calculate frequency from angle, appropriate diagram.
Data	CHARTS	PIEAFS02	D5	SD	Pie charts: calculate frequency from angle, appropriate diagram.
Data	CHARTS	PIEAFS03	D5	SD	Pie charts: calculate frequency from angle, appropriate diagram.
Data	CHARTS	PIECHT01	D5	OPEN	Record and display class results as pie chart: set parameters.
Data	CHARTS	PIECHT02	D5	OPEN	Record and display class results as two pie charts: set parameters.
Data	CHARTS	PIEQA01	D5	OPEN	Pie charts: change frequencies; interactive diagram (IAD).
Data	CHARTS	PIEQA02	D6	OPEN	Pie charts: change frequencies and radius; interactive diagram (IAD).
Data	CHARTS	COMPIE01	D7	OPEN	Pie charts: area sensitive: set radius and increase sample by % (IAD).
Data	CHARTS	COMPIE02	D7	OPEN	Pie charts: area sensitive: set radius and inc. sample by scale factor (IAD).
Data	CHARTS	COMPIE03	D7	OPEN	Pie charts: area sensitive: set target sample size: inc. by scale factor (IAD).
Data	CHARTS	COMPIE04	D7	OPEN	Pie charts: area sensitive: set target sample size: inc. by % (IAD).
Data	CHARTS	PIEQA03	D7	OPEN	Pie charts: change frequencies, radius and inc.; interactive diagram (IAD).
Data	COMBINATIONS	COMBIN01	DX	OPEN	Explore combinations.
Data	COMBINATIONS	COMBINQ01	DX	OPEN	Combinations questions.
Data	COMBINATIONS	COMBINQ02	DX	OPEN	Combinations questions.
Data	COMBINATIONS	FACTRL	DX	OPEN	Factorial tool. Evaluate 2! to 9!
Data	COMBINATIONS	FACTRL02	DX	OPEN	Factorial tool. Factorial/Factorial.
Data	COMBINATIONS	FACTRL03	DX	OPEN	Factorial tool. Factorial/Factorial.Factorial.
Data	COMBINATIONS	FACTRLTL	DX	OPEN	Factorial tool. Evaluates 3 factorials and multiplier/3 factorials and multiplier.
Data	COMBINATIONS	FACTRLTL2	DX	OPEN	Factorial and addition tool.
Data	COMBINATIONS	FACTRLTLQ	DX	OPEN	As above but value not supplied. Evaluate.
Data	COMBINATIONS	FACTRLTLQ01	DX	OPEN	Permutations questions.
Data	COMBINATIONS	FACTRLTLQ0B	DX	OPEN	Permutations questions.
Data	COMBINATIONS	FACTRLTLQ15	DX	OPEN	Written questions with comprehensive tool.
Data	COMBINATIONS	FACTRLTLQ7	DX	OPEN	Permutations questions: repeat use allowed.
Data	COMBINATIONS	FACTRLTLQ8	DX	OPEN	Permutations questions: repeat use allowed.
Data	COMBINATIONS	FACTRLTLQ9	DX	OPEN	Permutations questions: repeat use allowed.
Data	COMBINATIONS	PERMUT01	DX	OPEN	Explore permutations.
Data	COMBINATIONS	PERMUT02	DX	OPEN	Explore permutations.
Data	COMBINATIONS	PERMUT03	DX	OPEN	Explore permutations.
Data	COMBINATIONS	PERMUT04	DX	OPEN	Explore permutations.
Data	COMBINATIONS	PERMUT05	DX	OPEN	Explore permutations without repeats.
Data	COMBINATIONS	PERMUTQ301	DX	OPEN	Explore permutations: how many odd numbers.
Data	COMBINATIONS	PERMUTQ302	DX	OPEN	Explore permutations: evens and odds.
Data	COMBINATIONS	PERMUTQ401	DX	OPEN	Explore permutations: letters with repeats.
Data	COMBINATIONS	PERMUTQ402	DX	OPEN	Explore permutations with repeats.
Data	COMBINATIONS	PERMUTQ501	DX	OPEN	Explore permutations with multiple repeats.
Data	COMBINATIONS	PERMUTQ502	DX	OPEN	Explore permutations with multiple repeats.
Data	COMBINATIONS	PERMUTQ601	DX	OPEN	Explore permutations: number of arrangements of subsets.
Data	DATA	QUARTL1T	D7	SD	Calculating Quartiles
Data	DATA	QUARTL2T	D7	SD	Interquartile range
Data	DATA	QUARTL3T	D8	SD	Calculating Quartiles
Data	DATA	QUARTL4T	D8	SD	Interquartile range
Data	DISTRIBUTION	BINOM01	DX		Binomial distribution. Pascal's triangle. Factorial.
Data	DISTRIBUTION	BINOM02	DX		Binomial distribution. Pascal's triangle. Factorial.
Data	DISTRIBUTION	BINOM03	DX		Binomial expansion with questions. Pascal's triangle. Factorial.
Data	DISTRIBUTION	BINOM04	DX		Binomial expansion with questions. Pascal's triangle. Factorial.
Data	ESTFREQUENCY	EPROBT01	D5	SD	Estimating frequency from probability: fractions.
Data	ESTFREQUENCY	EPROBT02	D5	SD	Estimating frequency from probability: decimals.
Data	ESTFREQUENCY	EPROBT01T	D5+	OPEN	Estimating frequency from probability: fractions.
Data	ESTFREQUENCY	EPROBT02T	D5+	OPEN	Estimating frequency from probability: decimals.
Data	MEAN	MEANT	D4+	OPEN	Introducing mean.
Data	MEAN	GEOMEAN	D8	OPEN	Geometric mean
Data	MEAN	MEANW	D8	OPEN	Weighted mean
Data	MEDIAN	MEDNS1	D4	SD	Introducing median
Data	MODE	MODES1	D4	SD	Introducing Mode.
Data	PROBABILITY	PRBABS1	D4	SD	Probability on a number line.
Data	PROBABILITY	PRBABS2	D5	SD	Probability on a number line.
Data	PROBABILITY	PRBABS3	D5	SD	As a fraction: simple events with a single dice.
Data	PROBABILITY	PRBAB06T1	D6	SD	Outcomes with 2 triangular spinners: properties of numbers.
Data	PROBABILITY	PRBAB08T	D6	SD	Outcomes and Probability with 2 cubical dice: sum.
Data	PROBABILITY	PRBAB08TB	D6	SD	Outcomes and Probability with 2 cubical dice: difference.
Data	PROBABILITY	PRBAB09T	D6	SD	Probability with a hexagonal spinner: properties of numbers.
Data	PROBABILITY	PRBAB09TB	D6	SD	Probability with 2 hexagonal spinners: properties of numbers.
Data	PROBABILITY	PRBAB09TC	D6	SD	Probability with 2 hexagonal spinners: properties of numbers.
Data	PROBABILITY	PRBAB10T	D6	SD	Probability with 2 hexagonal spinners: independent events.
Data	PROBABILITY	PRBAB2TA	D6	SD	Probability trees with traffic lights: biased.
Data	PROBABILITY	PRBAB2TB	D6	SD	Probability trees with health warning.
Data	PROBABILITY	PRBABTA	D6	SD	Probability trees with coins: unbiased.
Data	PROBABILITY	PRBABTB	D6	SD	Probability trees with coins: biased.
Data	PROBABILITY	PRBABTC	D6	SD	Probability trees with coins: biased.
Data	PROBABILITY	PRBAB12T	D8	SD	Probability of the event not happening: notation P(E').
Data	PROBABILITY	PRBAB14T	D8	SD	Mutually exclusive events.
Data	PROBABILITY	BINPROB01	DX	OPEN	Probability with coins. Binomial distribution. Pascal's triangle. Factorial.
Data	PROBABILITY	BINPROB02	DX	SD	Probability, coins with questions. Binomial. Pascal's triangle. Factorial.
Data	PROBABILITY	PRBAB15T1	DX	SD	Set Notation: Venn diagram.
Data	PROBABILITY	PRBAB15T2	DX	SD	Set Notation: Venn diagram.
Data	PROBABILITY	PRBAB15T3	DX	SD	Set Notation: Venn diagram.
Data	PROBABILITY	PRBAB16T1	DX	SD	Set Notation: Venn diagram: 1 card from pack.
Data	PROBABILITY	PRBAB16T2	DX	SD	Set Notation: Venn diagram: 1 card from pack.
Data	PROBABILITY	PRBAB16T3	DX	SD	Set Notation: Venn diagram: 1 card from pack.
Data	PROBABILITY	PRBAB17T1	DX	SD	Venn diagram: 2 cards.

Data	PROBABILITY	PRBAB17T2	DX	SD	Venn diagram: 2 cards.
Data	PROBABILITY	PRBAB17T3	DX	SD	Venn diagram: 3 cards.
Data	PROBABILITY	PRBAB18T1	DX	SD	3 Subset Venn diagram: cards.
Data	PROBABILITY	PRBAB18TR1	DX	SD	Tree diagram: 2 cards.
Data	PROBABILITY	PRBAB18TR2	DX	SD	Tree diagram: 2 cards.
Data	PROBABILITY	PRBAB18TR3	DX	SD	Tree diagram: 2 cards.
Data	SCATTERGRAM	SCAT01	D6	SD	Intro. to properties of scattergrams: correlation.
Data	SCATTERGRAM	SCAT02	D6	SD	Test knowledge of properties of scattergrams: correlation.
Data	SCATTERGRAM	SCAT03	D6	SD	Intro. to properties of scattergrams: means of data values.
Data	SCATTERGRAM	SCAT04	D6	SD	Intro. to properties of scattergrams: line of best fit.
Data	SCATTERGRAM	SCAT05	D6	SD	Intro. to properties of scattergrams: multifunction diagram.
Data	SCATTERGRAM	SCATT03C	D7	SD	Scattergrams: equation of line of best fit.
Data	SCATTERGRAM	SCATT03D	D7	SD	Scattergrams: equation of line of best fit.
Data	SIMPLIFYING	SDATA	D7	SD	Total and change to %. Complete tables.
Data	SIMPLIFYING	SDATA2	D6	SD	Complete grouped frequency data table.
Data	SPEARMAN'S	SPEARMN	EXT	SD	Calculate Spearman's rank correlation coefficient.
Data	STANDARD DEV	SDV1	D8	SD	Variance and Standard Deviation.
Data	STANDARD DEV	SDV2	D8	SD	Variance and Standard Deviation, second method.
Data	STANDARDISE	SSCORE	D8	SD	Standardised scores.
Data	STEM&LEAF	DATA06T1	D6	SD	Stem and leaf diagram.
Data	STEM&LEAF	DATA06T2	D6	SD	Stem and leaf diagram.
Data	STEM&LEAF	DATA07T	D6	SD	Stem and leaf diagram: median.
Data	STEM&LEAF	DATA08T	D6	SD	Stem and leaf diagram: arithmetic mean.
Data	TABLES	TABLS1	D4	SD	Reading information tables.
Data	TABLES	TABLS2	D4	SD	Reading distance tables: miles.
Data	TABLES	TABLS3	D4	SD	Reading distance tables: km.
Number	ADDITION	AAAS1	N3	SD	Addition: more than one solution.
Number	ADDITION	AAAS2	N3	SD	Addition: more than one solution.
Number	ADDITION	AADDS1	N3	SD	Addition: more than one solution.
Number	ADDITION	ADDONS1	N3	SD	Addition: wall type puzzle "Blocks": basic intro.
Number	ADDITION	ADDONS1B	N3	SD	Addition: wall type puzzle "Blocks": basic intro.
Number	ADDITION	ADDONS2	N3	SD	Addition: wall type puzzle "Blocks": solving:
Number	ADDITION	ADDONS2B	N3	SD	Addition: wall type puzzle "Blocks": solving:
Number	ADDITION	ADDTABS1	N3	SD	Addition: table form.
Number	ADDITION	ADDUPS1	N3	SD	Addition: wall type puzzle "Steps": basic intro.
Number	ADDITION	TRIADS1	N3	SD	Addition: triangular puzzles.
Number	ADDITION	AAAT	N3+	OPEN	Addition: more than one solution.
Number	ADDITION	AADDT	N3+	OPEN	Addition: more than one solution.
Number	ADDITION	ADDSUM	N3+	OPEN	Formal addition. Integer sums. Placing digits.
Number	ADDITION	ADDONS3	N4	SD	Addition: wall type puzzle "Blocks": solving:
Number	ADDITION	ADDONS3B	N4	SD	Addition: wall type puzzle "Blocks": solving:
Number	ADDITION	ADDONS4	N4	SD	Addition: wall type puzzle "Blocks" : solving:
Number	ADDITION	ADDONS4B	N4	SD	Addition: wall type puzzle "Blocks": solving:
Number	ADDITION	ADDTABS2	N4	SD	Addition: table form.
Number	ADDITION	ADDTABS3	N4	SD	Addition: table form.
Number	ADDITION	ADDTABS4	N4	SD	Addition: table form: inverses.
Number	ADDITION	TRIADS2	N4	SD	Addition: triangular puzzles.
Number	ADDITION	TRIADS3	N4	SD	Addition: triangular puzzles.
Number	ADDITION	TRIADS4	N4	SD	Addition: triangular puzzles: negatives.
Number	ADDITION	TRIADS5	N4	SD	Addition: triangular puzzles: negatives.
Number	ADDITION	ADDONT	N4+	OPEN	Addition: wall type puzzle "Blocks": open puzzle.
Number	ADDITION	ADDSUMD	N4+	OPEN	Formal addition. Decimal sums. Placing digits.
Number	ADDITION	ADDTABT	N4+	OPEN	Addition: table form.
Number	ADDITION	ADDUPT	N4+	OPEN	Addition: wall type puzzle "Steps": open puzzle.
Number	ADDITION	TRIADT	N4+	OPEN	Addition: triangular puzzles.
Number	ADDITION	ADDTABS5	N5	SD	Addition: table form: inverses: negatives.
Number	BASES	BINARY01	NA	OPEN	Denary to binary: explore.
Number	BASES	BINARY01	NA	OPEN	Binary to denary: explore.
Number	BASES	BINARY01	NA	OPEN	Denary to binary: check.
Number	BASES	BINARY01	NA	OPEN	Binary to denary: check.
Number	BASES	HEXDEC01	NA	OPEN	Denary to hexadecimal: explore.
Number	BASES	HEXDEC02	NA	OPEN	Denary to hexadecimal: check.
Number	BIDMAS	PRIORITY	N5	SD	Explore reason for priority.
Number	BIDMAS	PRIORITY2	N5	SD	2 2 2, four operators: explore.
Number	BIDMAS	PRIORITY3	N5	SD	3 2 5, four operators: explore.
Number	BIDMAS	PRIORITY4	N5	SD	4 5 2, four operators: explore.
Number	BIDMAS	PRIORITY5	N5	SD	3 4 10, four operators: explore.
Number	BIDMAS	PRIORITY6	N5	SD	5 0.2 0.5, four operators: explore.
Number	BIDMAS	PRIORITY7	N5	SD	4 0.5 0.1, four operators: explore.
Number	BIDMAS	PRIORITY8	N5+	OPEN	Any three numbers, four operators: explore.
Number	BOUNDS	BOUNDAR01	N7	OPEN	Bounds: significance: area rectangle: active diagram
Number	BOUNDS	BOUNDAR02	N7	OPEN	Bounds: significance: area triangle: active diagram
Number	BOUNDS	BOUNDSUL	N7	OPEN	Bounds: upper and lower: significance.
Number	BOUNDS	BOUNDTR01	N7	OPEN	Bounds: significance: hypotenuse right angled triangle: active diagram.
Number	DECIMALS	EPNLS5	N4	SD	Estimate position on line: decimal: active control.
Number	DECIMALS	FRACDCS1	N4	SD	Decimal blue on bar to fraction: active indicator control.
Number	DECIMALS	FRACDEC100	N5+	OPEN	Fractions to decimal form to 100 places. Explore recurring decimals.
Number	DECIMALS	FRACDEC500	N5+	OPEN	Fractions to decimal form to 500 places. Explore recurring decimals.
Number	DECIMALS	FRACSIM100	N5+	OPEN	Fractions simplified and decimal form to 100 places.
Number	DIVISIBILITY	DIVIST1	N3+	OPEN	Divisibility 2,5 and 10.
Number	DIVISIBILITY	DIVIST2	N4+	OPEN	Divisibility 3,6 and 9.
Number	DIVISIBILITY	DIVIST3	N4+	OPEN	Divisibility 2,4 and 8.
Number	DIVISIBILITY	DIVIST4	N4+	OPEN	Divisibility 2,3,5,6,9 and 10.
Number	DIVISION	DPS100	N4	SD	Explore factors through division using 100: active short division display.
Number	DIVISION	DPS360	N4	SD	Explore factors through division using 360: active short division display.

Number	DIVISION	DPS60	N4	SD	Explore factors through division using 60: active short division display.
Number	DIVISION	DP501	N4+	OPEN	Explore division using quotient: active short division display.
Number	DIVISION	SDIV4T1	N4+	OPEN	Short division with remainder, some automation.
Number	DIVISION	SDIV4T2	N4+	OPEN	Short division with remainder, no automation.
Number	DIVISION	DDDS1	N5	SD	Division: more than one solution.
Number	DIVISION	DDDS2	N5	SD	Division: more than one solution.
Number	DIVISION	DDPRS1	N5	SD	Division: more than one solution.
Number	DIVISION	DIVTAB1	N5	SD	Division table: integer with decimal quotient.
Number	DIVISION	DIVTAB10	N5	SD	Division table: negatives.
Number	DIVISION	DIVTAB2	N5	SD	Division table: integer with decimal quotient.
Number	DIVISION	DIVTAB3	N5	SD	Division table: integer with decimal quotient.
Number	DIVISION	DIVTAB4	N5	SD	Division table: integer with decimal quotient.
Number	DIVISION	DIVTAB5	N5	SD	Division table: integer with decimal quotient.
Number	DIVISION	DIVTAB6	N5	SD	Division table: includes 0.5.
Number	DIVISION	DIVTAB7	N5	SD	Division table: decimal.
Number	DIVISION	DIVTAB8	N5	SD	Division table: decimal.
Number	DIVISION	DIVTAB9	N5	SD	Division table: negatives.
Number	DIVISION	DDDT	N5+	OPEN	Division: more than one solution.
Number	DIVISION	DDPRT	N5+	OPEN	Division: more than one solution.
Number	DIVISION	DIVQD	N5+	SD	Introduce dividing by a decimal through observation.
Number	DIVISION	DIVTABT	N5+	OPEN	Division table: open.
Number	DIVISION	DTENHT	N5+	OPEN	Dividing by powers of ten.
Number	DIVISION	DDIV	N6+	OPEN	Division with decimal fractions: strategy 1.
Number	DIVISION	DIVD	N6+	OPEN	Division with decimal fractions: strategy 2.
Number	DIVISION	DIVFRT	N6+	OPEN	Division with answer as mixed number.
Number	ESTIMATE	EPNLS1	N3	SD	Estimate position on line: integer: active control.
Number	ESTIMATE	EPNLS2	N4	SD	Estimate position on line: integer: active control.
Number	ESTIMATE	EPNLS3	N4	SD	Estimate position on line: integer: active control.
Number	ESTIMATE	EPNLS4	N4	SD	Estimate position on line: integer: active control.
Number	ESTIMATE	EPNLS5	N4	SD	Estimate position on line: decimal: active control.
Number	ESTIMATE	EPNLS6	N4	SD	Estimate position on line: negatives: active control.
Number	ESTIMATE	EPNLS7	N4	SD	Estimate position on line: negatives: active control.
Number	ESTIMATE	EPNLS8	N4	SD	Estimate position on line: negatives: active control.
Number	ESTIMATE	EPNLT	N4+	OPEN	Estimate position on line: full control.
Number	ESTIMATION	APPXDT	N5+	OPEN	Estimating by first rounding to 1.S.F. Dividing.
Number	ESTIMATION	APPXMT	N5+	OPEN	Estimating by first rounding to 1.S.F. Multiplying
Number	FACTORS	FTRST	N4	SD	Sets and number of factors.
Number	FACTORS	FACTRN24	N5	SD	Factors as products of primes.
Number	FACTORS	FACTRN360	N5	SD	Factors as products of primes.
Number	FACTORS	FACTRN60	N5	SD	Factors as products of primes.
Number	FACTORS	FACTRS24	N5	SD	Number of factors from products of primes.
Number	FACTORS	FACTRS360	N5	SD	Number of factors from products of primes.
Number	FACTORS	FACTRS60	N5	SD	Number of factors from products of primes.
Number	FACTORS	VENNHCF01	N5	SD	HCF 8 and 12 using VENN diagram
Number	FACTORS	VENNHCF02	N5	SD	HCF 12 and 30 using VENN diagram
Number	FACTORS	VENNLCM01	N5	SD	LCM 8 and 12 using VENN diagram
Number	FACTORS	VENNLCM02	N5	SD	LCM 12 and 30 using VENN diagram
Number	FACTORS	FACTR128	N5+	OPEN	Finding sets of factors: integers 2 to 128: sets can be viewed.
Number	FACTORS	FACTRPD3	N5+	OPEN	Sets of factors for integers up to 10 000 given.
Number	FACTORS	FACTRPD4	N5+	OPEN	Sets of factors for integers up to 10 000 given. With product evaluator.
Number	FACTORS	FACTRST	N5+	OPEN	Finding prime factors: integers 2 to 128 checked.
Number	FACTORS	FACTRST2	N5+	OPEN	Finding prime factors: integers 2 to 128 checked: alternative layout.
Number	FACTORS	FACTRPD	N6+	OPEN	Factors: extension: integers 2 to 128 checked: explore perfect numbers.
Number	FRACTIONS	FRACS1	N3	SD	Fourths with active indicator and equivalence.
Number	FRACTIONS	FRACS3	N3	SD	Sixths with active indicator and equivalence.
Number	FRACTIONS	FRACT	N3+	OPEN	Active indicator.
Number	FRACTIONS	FRACDCS1	N4	SD	Decimal blue on bar to fraction: active indicator control.
Number	FRACTIONS	FRACLN01T	N4	SD	Position of fractions on number lines: common.
Number	FRACTIONS	FRACPCS1	N4	SD	Percent blue on bar to fraction: active indicator control.
Number	FRACTIONS	FRACS2	N4	SD	Tenths with active indicator and equivalence.
Number	FRACTIONS	FRACS4	N4	SD	Twelfths with active indicator and equivalence.
Number	FRACTIONS	DVFRACTT1	N5	OPEN	Divide whole number by fraction using multiplication by inverse. Open.
Number	FRACTIONS	DVFRACTT2	N5	OPEN	Divide whole number by fraction using multiplication by inverse. Open.
Number	FRACTIONS	DVFRACTT3	N5	SD	Divide whole number by fraction using multiplication by inverse
Number	FRACTIONS	DVFRACTT4	N5	SD	Divide whole number by fraction using multiplication by inverse
Number	FRACTIONS	DVFRACTT5	N5	SD	Divide whole number by fraction using multiplication by inverse
Number	FRACTIONS	DVFRACTT6	N5	SD	Divide whole number by fraction. Answer as mixed number.
Number	FRACTIONS	FRAC09T	N5	SD	Equivalent fractions: starting diagram.
Number	FRACTIONS	FRAC101T	N5	SD	Investigate rectangles split into 4 fractions each with a numerator of 1.
Number	FRACTIONS	FRAC10T	N5	SD	Equivalent fractions: equal division, common factors.
Number	FRACTIONS	FRAC12T	N5	SD	Multiply whole number by fraction and simplify.
Number	FRACTIONS	FRACAD0T	N5	SD	Adding fractions using equivalents with common denominators.
Number	FRACTIONS	FRACD02T	N5	SD	Dividing an integer by a fraction.
Number	FRACTIONS	FRACD02T2	N5	OPEN	Dividing an integer by a fraction.
Number	FRACTIONS	FRACD03T	N5	SD	Dividing a fraction by an integer.
Number	FRACTIONS	FRACLN03T	N5	SD	Position of fractions on number lines: common, improper and decimal.
Number	FRACTIONS	FRACP01T	N5	SD	Changing fractions to percentages via equivalents with denominator 100.
Number	FRACTIONS	MYFRACTT1	N5	SD	Multiply whole number by fraction: integer solution.
Number	FRACTIONS	MYFRACTT2	N5	SD	Multiply whole number by fraction: integer solution.
Number	FRACTIONS	MYFRACTT3	N5	SD	Multiply whole number by fraction: integer solution.
Number	FRACTIONS	MYFRACTT4	N5	SD	Multiply whole number by improper fraction: change to mixed number.
Number	FRACTIONS	PERCFT	N5	SD	Percent indicator with fraction as hundredths.
Number	FRACTIONS	PERCFT2	N5	SD	Percent indicator with fraction: enter equivalence.
Number	FRACTIONS	DECTOFAC	N5+	Open	Decimals to fractions: converts and gives simplest form.
Number	FRACTIONS	DTFT	N5+	OPEN	Decimals to fractions: simplest form.

Number	FRACTIONS	FRACDEC	N5+	Open	Decimals to fractions: check:
Number	FRACTIONS	FRACSIM	N5+	Open	Simplifies fractions and gives decimal equivalent.
Number	FRACTIONS	DVFRACTT7	N6	SD	Divide fraction by fraction: mixed number solution.
Number	FRACTIONS	DVFRACTT8	N6	SD	Divide mixed number by fraction : mixed number solution.
Number	FRACTIONS	DVFRACTT9	N6	SD	Divide mixed number by mixed number : mixed number solution.
Number	FRACTIONS	FRACT13T	N6	SD	Multiply fraction by fraction and simplify.
Number	FRACTIONS	FRACT14T	N6	SD	Multiply whole number by fraction and write as a mixed number.
Number	FRACTIONS	FRACT15T	N6	SD	Divide fraction by fraction and simplify.
Number	FRACTIONS	FRACT15T2	N6	OPEN	Divide fraction by fraction and simplify.
Number	FRACTIONS	FRACT16T	N6	SD	Fractions to decimals.
Number	FRACTIONS	FRACT17T	N6	SD	Decimals to fractions.
Number	FRACTIONS	FRACT18T	N6	SD	Adding and taking fractions with common denominators.
Number	FRACTIONS	FRACT19T	N6	SD	Adding and taking fractions with different denominators.
Number	FRACTIONS	FRACT20T	N6	SD	Fractions to decimals to percent: equivalence.
Number	FRACTIONS	MYFRACCT5	N6	SD	Multiply mixed number by fraction: change to mixed number.
Number	FRACTIONS	MYFRACCT6	N6	SD	Multiply mixed number number by mixed number: mixed number solution.
Number	FRACTIONS	DIVFRT	N6+	OPEN	Division with answer as mixed number.
Number	FRACTIONS	FRACT21T	N7	SD	Rational numbers: decimals to fractions, terminating: intro recurring.
Number	FRACTIONS	FRACT22T	N8	SD	Rational numbers: decimals to fractions, recurring.
Number	FRACTIONS	FRACT23T	N8	SD	Rational numbers: exploring.
Number	GAMES	WORDM01	N4	SD	Wordfinder: shape 1: quadrilaterals.
Number	GAMES	WORDM02	N4	SD	Wordfinder: shape 2: polygons.
Number	GAMES	WORDM03	N4	SD	Wordfinder: shape 3: circle words.
Number	GAMES	WORDM04	N4	SD	Wordfinder: calculations 1: operations.
Number	GAMES	WORDM05	N4	SD	Wordfinder: calculations 2: result.
Number	GAMES	WORDM06	N4	SD	Wordfinder: number 1.
Number	GAMES	WORDM07	N4	SD	Wordfinder: number 2:
Number	GAMES	WORDM08	N4	SD	Wordfinder: number 3.
Number	GAMES	WORDM09	N4	SD	Wordfinder: number 4.
Number	INDICES	INDIC00T	N5	SD	Index notation.
Number	INDICES	INDIC02T	N6	SD	Operations with indices.
Number	INDICES	INDIC03T10	N6	SD	Operations with negative indices: multiplication with powers of 10.
Number	INDICES	INDIC03T10D	N6	SD	Operations with negative indices: division with powers of 10.
Number	INDICES	INDIC03T2	N6	SD	Operations with negative indices: multiplication with powers of 2.
Number	INDICES	INDIC03T2D	N6	SD	Operations with negative indices: division with powers of 2.
Number	INDICES	INDIC03T5	N6	SD	Operations with negative indices: multiplication with powers of 5.
Number	INDICES	INDIC03T5D	N6	SD	Operations with negative indices: division with powers of 5.
Number	INDICES	INDIC03TR	N6	SD	Positive and negative indices: looking back.
Number	INDICES	INDIC03TR2A	N6	SD	Positive and negative indices: more than one solution.
Number	INDICES	INDIC03TR2B	N6	SD	Positive and negative indices: more than one solution.
Number	INDICES	INDIC04GT	N6	SD	Algebraic: simplifying and evaluating: mixed indices: mixed operations.
Number	INDICES	INDIC04TD	N6	SD	Simplifying and evaluating: mixed indices: division.
Number	INDICES	INDIC04TM	N6	SD	Simplifying and evaluating: mixed indices: multiplication.
Number	INDICES	INDIC03TDM	N6+	Open	Operations with negative indices: division with powers of n.
Number	INDICES	INDIC03TMM	N6+	Open	Operations with negative indices: multiplication with powers of n.
Number	INDICES	INDIC07T	N7	SD	Brackets and indices.
Number	INDICES	INDIC08T	N7	SD	Indices: mixed review.
Number	INDICES	INDIC09T	NX	SD	Fractional indices.
Number	INDICES	INDIC10T	NX	SD	Explore decimal indices.
Number	INDICES	POWS1	NX	OPEN	Raise to the power: index notation: many levels of use.
Number	INDICES	POWS2	NX	OPEN	Raise to the power: fractional indices only: many levels of use.
Number	INDICES	INDIC01T	N6	SD	Operations with indices.
Number	INEQUALITIES	BETNS1	N3	SD	Numbers between.
Number	INEQUALITIES	INEQU1	N3	SD	(>8)
Number	INEQUALITIES	INEQU2	N3	SD	(>-10)
Number	INEQUALITIES	INEQU1	N3	SD	(<10)
Number	INEQUALITIES	INEQU2	N3	SD	(<4)
Number	INEQUALITIES	BETNT	N3+	OPEN	Numbers between: any.
Number	INEQUALITIES	INEQT	N3+	OPEN	Less than: greater than.
Number	INEQUALITIES	INEQUTG1	N3+	OPEN	(Open>)
Number	INEQUALITIES	INEQUTL1	N3+	OPEN	(Open<)
Number	INEQUALITIES	BETDS1	N4	SD	Numbers between: decimal.
Number	INEQUALITIES	BETDS2	N4	SD	Numbers between: decimal.
Number	INEQUALITIES	BETNS2	N4	SD	Numbers between: negative.
Number	INEQUALITIES	INEQU3	N4	SD	(>=8)
Number	INEQUALITIES	INEQU4	N4	SD	(>=-8)
Number	INEQUALITIES	INEQU3	N4	SD	(<=15)
Number	INEQUALITIES	INEQU4	N4	SD	(<=2)
Number	INEQUALITIES	INEQU5	N4	SD	(18<numbers<31)
Number	INEQUALITIES	INEQU6	N4	SD	(-6<numbers<3)
Number	INEQUALITIES	INEQU7	N4	SD	(4<numbers<7, decimal)
Number	INEQUALITIES	INEQU8	N4	SD	(3<numbers<4, decimal).
Number	INEQUALITIES	INEQU9	N4	SD	(1.5<numbers<2, decimal: 2 places).
Number	INEQUALITIES	INEQUT3	N4+	OPEN	(n<numbers<m)
Number	INEQUALITIES	INEQUT4	N4+	OPEN	(n<=numbers<m)
Number	INEQUALITIES	INEQUT5	N4+	OPEN	(n<numbers<=m)
Number	INEQUALITIES	INEQUT6	N4+	OPEN	(n<=numbers<=m)
Number	INEQUALITIES	INEQUTG2	N4+	OPEN	(Open>=)
Number	INEQUALITIES	INEQUTL2	N4+	OPEN	(Open<=)
Number	INEQUALITIES	INEQU10	N5	SD	(-1<numbers<1, decimal: negatives).
Number	INVESTIGATION	CASCADES1	N5	SD	Number puzzle.
Number	LOGS	INDICLOG1	NX	SD	Logs as indices: explore notation and meaning.
Number	LOGS	INDICLOG2	NX	SD	Explore $\log_{10}(y) = \log_{10}(10x)$.
Number	LOGS	INDICLOG3	NX	SD	Given y, solve $y = 2x$ for x using logs, exposition.
Number	LOGS	INDICLOG4	NX	SD	Given y, solve $y = 2x$ for x using logs: practise.

Number	LOGS	INDICLOG5	NX	SD	Adding and subtracting logs: practise with various situations.
Number	LOGS	LOG10X	NX	Open	Explore inverse using graph of $y = 10x$
Number	LOGS	LOG2X	NX	Open	Explore inverse using graph of $y = 2x$
Number	MACHINES	MACHT1	N3+	OPEN	Number machines: add and multiply.
Number	MACHINES	MACHT2	N4+	OPEN	Double number machines: add and multiply.
Number	MACHINES	MACHT3	N4+	OPEN	Double number machines: reverse order.
Number	MACHINES	MACHT4	N4+	OPEN	Number machines: single inverse: add.
Number	MACHINES	MACHT5	N4+	OPEN	Number machines: single inverse: multiply.
Number	MACHINES	MACHT6	N5+	OPEN	Double number machines: inverse.
Number	MIXED OPERATIONS	INVN01	N3+	OPEN	Powerful and flexible tool to investigate result of operating on two numbers.
Number	MIXED OPERATIONS	INVN02	N3+	OPEN	As above and checks fraction solution in simplest form.
Number	MIXED OPERATIONS	AMAS1	N4	SD	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	AMAS2	N4	SD	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	AMAS3	N4	SD	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	ASAS1	N4	SD	Addition and subtraction: more than one solution.
Number	MIXED OPERATIONS	ASAS2	N4	SD	Addition and subtraction: more than one solution.
Number	MIXED OPERATIONS	BYFS1	N4	SD	Use 2 and 10 to multiply and divide by five.
Number	MIXED OPERATIONS	BYFS2	N4	SD	Use 2 and 10 to multiply and divide by five.
Number	MIXED OPERATIONS	MDMS1	N4	SD	Multiplication and division: more than one solution.
Number	MIXED OPERATIONS	MDMS2	N4	SD	Multiplication and division: more than one solution.
Number	MIXED OPERATIONS	TARGET01	N4	SD	Set target number to make with data set: $+ - + -$: double entry.
Number	MIXED OPERATIONS	TARGET01B	N4	SD	Set target number to make with data set: $+ - + -$: double entry.
Number	MIXED OPERATIONS	AMAT	N4+	OPEN	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	AMAT2	N4+	OPEN	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	ASAT	N4+	OPEN	Addition and subtraction: more than one solution.
Number	MIXED OPERATIONS	BYFST	N4+	OPEN	Use 2 and 10 to multiply and divide by five.
Number	MIXED OPERATIONS	CHALT2MAX	N4+	OPEN	Number chain: make the largest with $a+bx-c-d-e$: 2 players, 5 variables.
Number	MIXED OPERATIONS	CHALT2MIN	N4+	OPEN	Number chain: make the smallest with $a+bx-c-d-e$: 2 players, 5 variables.
Number	MIXED OPERATIONS	CHALTMAX	N4+	OPEN	Number chain: make the largest with $+ and -$: 2 players, 5 variables.
Number	MIXED OPERATIONS	CHALTMIN	N4+	OPEN	Number chain: make the smallest with $+ and -$: 2 players, 5 variables.
Number	MIXED OPERATIONS	MDMT	N4+	OPEN	Multiplication and division: more than one solution.
Number	MIXED OPERATIONS	AMAS4	N5	SD	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	AMAS5	N5	SD	Addition and multiplication: more than one solution.
Number	MIXED OPERATIONS	ASATF1	N5	OPEN	Addition and subtraction: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	ASATF2	N5	OPEN	Subtraction and addition: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	MDATF1	N5	OPEN	Multiplication and division: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	MDATF2	N5	OPEN	Division and multiplication: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	MSATF1	N5	OPEN	Multiplication and subtraction: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	MSATF2	N5	OPEN	Subtraction and multiplication: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	ADATF1	N5	OPEN	Division and addition: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	ADATF2	N5	OPEN	Addition and division: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	AMATF1	N5	OPEN	Multiplication and addition: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	AMATF2	N5	OPEN	Addition and multiplication: more than one solution. Fractions allowed. Open input.
Number	MIXED OPERATIONS	MAKE01	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE02	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE03	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE04	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE05	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKE06	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKE07	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKE08	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKE09	N5	SD	Make largest or smallest with data set: $a+bx(c-d)÷e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE10	N5	SD	Make largest or smallest with data set: $a+bx(c-d)÷e$: double entry: integer.
Number	MIXED OPERATIONS	MAKE11	N5	SD	Make largest or smallest with data set: $a+bx(c-d)÷e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKE12	N5	SD	Make largest or smallest with data set: $a+bx(c-d)÷e$: double entry: decimal.
Number	MIXED OPERATIONS	MAKEIT01	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: single entry: integer.
Number	MIXED OPERATIONS	MAKEIT02	N5	SD	Make largest or smallest with data set: $a+bx-c-d-e$: single entry: decimal.
Number	MIXED OPERATIONS	MAKEIT03	N5	SD	Make largest or smallest with data set: $a+bx(c-d)÷e$: single entry: integer.
Number	MIXED OPERATIONS	MAKEIT04	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: single entry: decimal.
Number	MIXED OPERATIONS	MAKEIT05	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: single entry: integer.
Number	MIXED OPERATIONS	MAKEIT06	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: single entry: decimal.
Number	MIXED OPERATIONS	MAKEIT07	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: single entry: integer.
Number	MIXED OPERATIONS	MAKEIT08	N5	SD	Make largest or smallest with data set: $(a+b)(c-d)÷e$: single entry: decimal.
Number	MIXED OPERATIONS	OPSPUZ3BT	N5	OPEN	Make calculator puzzle: brackets: 3 operators: 4 numbers. Checks pos. ahead.
Number	MIXED OPERATIONS	OPSPUZ3T	N5	OPEN	Make calculator puzzle: 3 operators: 4 numbers. Checks possibility ahead.
Number	MIXED OPERATIONS	OPSPUZ4T	N5	OPEN	Make calculator puzzle: 4 operators: 5 numbers. Checks possibility ahead.
Number	MIXED OPERATIONS	TARGET02	N5	SD	Set target number to make with data set: $+ x + -$: double entry.
Number	MIXED OPERATIONS	TARGET02B	N5	SD	Set target number to make with data set: $+ x + -$: double entry.
Number	MIXED OPERATIONS	TARGET03	N5	SD	Set target number to make with data set: $+ x + x$: double entry.
Number	MIXED OPERATIONS	TARGET03B	N5	SD	Set target number to make with data set: $+ x + x$: double entry.
Number	MIXED OPERATIONS	TARGET04	N5	SD	Set target number to make with data set: $+ x - x$: double entry.
Number	MIXED OPERATIONS	TARGET04B	N5	SD	Set target number to make with data set: $+ x - x$: double entry.
Number	MIXED OPERATIONS	TARGET05	N5	SD	Set target number to make with data set: $+ x ÷$: double entry.
Number	MIXED OPERATIONS	TARGET05B	N5	SD	Set target number to make with data set: $+ x ÷$: double entry.
Number	MONEY	MONS1	N3	SD	Money: writing in two ways.
Number	MONEY	MONPS2	N5	SD	Money problems: rounding from calculator display.
Number	MONEY	MONRT	N5+	OPEN	Money: rounding from calculator display.
Number	MONEY	CURCON	N5	SD	Using a currency conversion table that uses reciprocals, July 2008 rates.
Number	MONEY	CURCON02	N5	SD	Using a currency conversion table that uses reciprocals, December 2008 rates.
Number	MULTIPLICATION	LMS3600	N4	SD	Find pairs of 2 digit numbers whose product is 3600.
Number	MULTIPLICATION	MMMS1	N4	SD	Multiplication: more than one solution.
Number	MULTIPLICATION	MMMS2	N4	SD	Multiplication: more than one solution.
Number	MULTIPLICATION	MMMS3	N4	SD	Multiplication: more than one solution.
Number	MULTIPLICATION	MMMS4	N4	SD	Multiplication: more than one solution.
Number	MULTIPLICATION	MMMS5	N4	SD	Multiplication: more than one solution.

Number	MULTIPLICATION	MULTABS1	N4	SD	Multiplication: table form.
Number	MULTIPLICATION	MULTABS2	N4	SD	Multiplication: table form.
Number	MULTIPLICATION	MULTABS3	N4	SD	Multiplication: table form.
Number	MULTIPLICATION	CALPUZT1	N4+	OPEN	Limited calculator: 2, 3, x, =.
Number	MULTIPLICATION	CALPUZT2	N4+	OPEN	Limited calculator: 2, 5, x, =.
Number	MULTIPLICATION	CALPUZT3	N4+	OPEN	Limited calculator: 3, 5, x, =.
Number	MULTIPLICATION	CALPUZT4	N4+	OPEN	Limited calculator: 2, 3, 5, x, =.
Number	MULTIPLICATION	CALPUZT5	N4+	OPEN	Limited calculator: 1, 2, 3, x, =.
Number	MULTIPLICATION	GMULT22	N4+	OPEN	Grid multiplication, 2 digit by 2 digit.
Number	MULTIPLICATION	GMULT32	N4+	OPEN	Grid multiplication, 3 digit by 2 digit.
Number	MULTIPLICATION	LMS01	N4+	OPEN	Explore multiplication using product: active long multiplication display.
Number	MULTIPLICATION	LMULT	N4+	OPEN	Long Multiplication 2 by 2
Number	MULTIPLICATION	LMULT2	N4+	OPEN	Long Multiplication 2 by 3
Number	MULTIPLICATION	MMMT	N4+	OPEN	Multiplication: more than one solution.
Number	MULTIPLICATION	MULTABT	N4+	OPEN	Multiplication: table form.
Number	MULTIPLICATION	LGMULT22	N5	OPEN	Lattice grid, 2 digit by 2 digit.
Number	MULTIPLICATION	LGMULT23	N5	OPEN	Lattice grid, 2 digit by 3 digit.
Number	MULTIPLICATION	LMS3456	N5	SD	Find pair of 2 digit numbers whose product is 3456.
Number	MULTIPLICATION	MMPRS1	N5	SD	Multiplication: more than one solution.
Number	MULTIPLICATION	NAPROD	N5	OPEN	Napier's rods.
Number	MULTIPLICATION	DMD04	N5+	OPEN	Mental multiplication method machine.
Number	MULTIPLICATION	DMULT	N5+	OPEN	Multiplication with decimals: strategy 1.
Number	MULTIPLICATION	LMULTD	N5+	OPEN	Decimal Long Multiplication 2 by 2. divide after working.
Number	MULTIPLICATION	LMULTDM	N5+	OPEN	Decimal Long Multiplication 2 by 2: move after working.
Number	MULTIPLICATION	MMPRT	N5+	OPEN	Multiplication: more than one solution.
Number	MULTIPLICATION	MULD	N5+	OPEN	Multiplication with decimals: strategy 2.
Number	MULTIPLICATION	BTENHT	N4+	OPEN	Multiplying by powers of ten.
Number	NUMBERS	NUMBS1	N3	SD	Naming numbers.
Number	NUMBERS	NLINET	N3+	OPEN	Play with the number line.
Number	ORDER	ORDS1	N3	SD	Sorting numbers: 2 digit.
Number	ORDER	ORDS2	N3	SD	Sorting numbers: 3 digit.
Number	ORDER	SORTS1	N3	SD	Sorting numbers: 1 and 2 digit.
Number	ORDER	SORTS2	N3	SD	Sorting numbers: 1 and 2 digit.
Number	ORDER	SORTS3	N3	SD	Sorting numbers: 3 and 4 digit.
Number	ORDER	SORTT	N3+	OPEN	Sorting numbers: open.
Number	ORDER	ORDS3	N4	SD	Sorting numbers: negative integers.
Number	ORDER	ORDS4	N4	SD	Sorting numbers: decimal.
Number	ORDER	SORTS4	N4	SD	Sorting numbers: decimal.
Number	ORDER	SORTS5	N4	SD	Sorting numbers: negatives.
Number	PERCENT	FRACPCS1	N5	SD	Percent blue on bar to fraction: active indicator control.
Number	PERCENT	PERCFT	N5	SD	Active indicator with fraction as hundredths.
Number	PERCENT	PERCFT2	N5	SD	Active indicator with fraction: enter equivalence.
Number	PERCENT	PERCRS1	N5	SD	Coloured fractions of rectangle as percent.
Number	PERCENT	PERCS1	N5	SD	Fractions to percent.
Number	PERCENT	PERCS3	N5	SD	Percent to decimals: decimals to percent.
Number	PERCENT	PERCS4	N5	SD	Percentage of: through finding 1% first.
Number	PERCENT	PERCS5	N5	SD	Percentage of: through finding 1% first.
Number	PERCENT	PERCIT	N5+	OPEN	Increase by a selected %: completing statements in any direction.
Number	PERCENT	PERCITD	N5+	OPEN	Increase by a selected %: completing statements in any direction.
Number	PERCENT	PERCS2	N5+	OPEN	Estimate percent blue on bar: active indicator control.
Number	PERCENT	PERCT	N5+	OPEN	Active indicator.
Number	PERCENT	PERCT2	N5+	OPEN	Percentage of: through finding 1% first.
Number	PERCENT	VATMAN	N5+	OPEN	Apply VAT: complete statements in any direction.
Number	PERCENT	TAXMAN	N5+	OPEN	Apply tax any rate: complete statements in any direction.
Number	PLACE	PLACES1	N3	SD	Place value words.
Number	PLACE	PLACT	N3+	OPEN	Place targets: using units to form the nearest number.
Number	PLACE	NNLINE	N5+	OPEN	Number line in 10 parts: choose endpoints: find intermediate points.
Number	PLACE	NNLINEP	N5+	OPEN	Number line: choose endpoints: find mid-point.
Number	PLACE	NNLINEP	N5+	OPEN	Number line: choose endpoints: find 4 intermediate points.
Number	POWERS	SQCU02T	N5	SD	Squares of integers and decimals: compare.
Number	POWERS	SQCU03T	N6	SD	Cubes of integers and decimals: compare.
Number	POWERS	SQCU04T1	N6	SD	Square and root: integer.
Number	POWERS	SQCU04T2	N6	SD	Square and root: decimal.
Number	POWERS	SQCU04T3	N6	SD	Product of squares: mainly integer.
Number	POWERS	SQCU04T4	N6	SD	Product of squares: mainly decimal.
Number	PROBLEMS	MNUMS01	N3	SD	Missing numbers: hundred squares.
Number	PROBLEMS	MNUMS01B	N3	SD	Missing numbers: hundred squares.
Number	PROBLEMS	PROBLMS1	N3	SD	Addition problem: using variables.
Number	PROBLEMS	TWOANS1	N3	SD	Pairs of problems with the same solution: integer.
Number	PROBLEMS	MNUMS01T	N3+	OPEN	Missing numbers: hundred squares.
Number	PROBLEMS	MNUM02EA	N4	SD	Missing numbers: 8x8 squares.
Number	PROBLEMS	MNUM02EB	N4	SD	Missing numbers: 8x8 squares.
Number	PROBLEMS	MNUM02FA	N4	SD	Missing numbers: 5x5 squares.
Number	PROBLEMS	MNUM02FB	N4	SD	Missing numbers: 5x5 squares.
Number	PROBLEMS	MNUM02NA	N4	SD	Missing numbers: 9x9 squares.
Number	PROBLEMS	MNUM02NB	N4	SD	Missing numbers: 9x9 squares.
Number	PROBLEMS	MNUM02SA	N4	SD	Missing numbers: 6x6 squares.
Number	PROBLEMS	MNUM02SB	N4	SD	Missing numbers: 6x6 squares.
Number	PROBLEMS	MNUM02WA	N4	SD	Missing numbers: 7x7 squares.
Number	PROBLEMS	MNUM02WB	N4	SD	Missing numbers: 7x7 squares.
Number	PROBLEMS	MNUM03DA	N4	SD	Missing numbers: 12x12 squares.
Number	PROBLEMS	MNUM03DB	N4	SD	Missing numbers: 12x12 squares.
Number	PROBLEMS	PROBLMS2	N4	SD	Subtraction problem: using variables.
Number	PROBLEMS	TWOANS2	N4	SD	Pairs of problems with the same solution: negatives.
Number	PROBLEMS	BEAM01	N4+	OPEN	Balance the beam with distance and mass.

Number	PROBLEMS	BEAM01Q	N4+	SD	Balance the beam with distance and mass. 10 single solution problems.
Number	PROBLEMS	BEAM01QB	N4+	SD	Balance the beam with distance and mass. 10 single solution problems.
Number	PROBLEMS	BEAM02Q	N4+	SD	Balance the beam with distance and mass. 10 smallest integer solution.
Number	PROBLEMS	BEAM02QB	N4+	SD	Balance the beam with distance and mass. 10 smallest integer solution.
Number	PROBLEMS	MNUMS02E	N4+	OPEN	Missing numbers: 8x8 squares.
Number	PROBLEMS	MNUMS02F	N4+	OPEN	Missing numbers: 5x5 squares.
Number	PROBLEMS	MNUMS02N	N4+	OPEN	Missing numbers: 9x9 squares.
Number	PROBLEMS	MNUMS02S	N4+	OPEN	Missing numbers: 6x6 squares.
Number	PROBLEMS	MNUMS02W	N4+	OPEN	Missing numbers: 7x7 squares.
Number	PROBLEMS	MNUMS03D	N4+	OPEN	Missing numbers: 12x12 squares.
Number	PROBLEMS	TWOANS3	N5	SD	Pairs of problems with the same solution: decimal.
Number	PROPERTIES	SETNOT01	IGCSE	SD	Listing sets interpreting notation from a 2 subset Venn diagram.
Number	PROPERTIES	SETNOT02	IGCSE	SD	Listing sets interpreting notation from a 2 subset Venn diagram.
Number	PROPERTIES	SETNOT11	IGCSE	SD	Listing sets interpreting notation from a 3 subset Venn diagram.
Number	PROPERTIES	SETNOT12	IGCSE	SD	Listing sets interpreting notation from a 3 subset Venn diagram.
Number	PROPERTIES	SETNOT13	IGCSE	SD	Listing sets interpreting notation from a 3 subset Venn diagram.
Number	PROPERTIES	VENN01SSB	IGCSE	SD	Venn diagram: positive integers, multiples of 2 and 3.
Number	PROPERTIES	VENN02SSB	IGCSE	SD	Venn diagram: positive integers, multiples of 2 and 5.
Number	PROPERTIES	VENN03SSB	IGCSE	SD	Venn diagram: positive integers, multiples of 6 and 14.
Number	PROPERTIES	VENN04SSB	IGCSE	SD	Venn diagram: positive integers, multiples of 4 and 15.
Number	PROPERTIES	VENN05SSB	IGCSE	SD	Venn diagram: positive integers >50 and <100, multiples of 4 and 6.
Number	PROPERTIES	VENN06SSB	IGCSE	SD	Venn diagram: positive integers >50 and <100, multiples of 6 and 8.
Number	PROPERTIES	VENN07SSB	IGCSE	SD	Venn diagram: positive integers >50 and <100, multiples of 6 and 10.
Number	PROPERTIES	VENN08SSB	IGCSE	SD	Venn diagram: positive integers >50 and <100, multiples of 8 and 12.
Number	PROPERTIES	VENN235SB	IGCSE	SD	Venn diagram: multiples of 2, 3 and 5.
Number	PROPERTIES	VENN257SB	IGCSE	SD	Venn diagram: multiples of 2, 5 and 7.
Number	PROPERTIES	VENN347SB	IGCSE	SD	Venn diagram: multiples of 3, 4 and 7.
Number	PROPERTIES	VENN3SB2351	IGCSE	SD	Venn diagram: positive integers, multiples of 2, 3 and 5: one per region.
Number	PROPERTIES	VENN3SB2352	IGCSE	SD	Venn diagram: positive integers, multiples of 2, 3 and 5: two per region.
Number	PROPERTIES	VENN3SB3471	IGCSE	SD	Venn diagram: positive integers, multiples of 3, 4 and 7: one per region.
Number	PROPERTIES	VENN3SB3472	IGCSE	SD	Venn diagram: positive integers, multiples of 3, 4 and 7: two per region.
Number	PROPERTIES	VENN3SB5791	IGCSE	SD	Venn diagram: positive integers, multiples of 5, 7 and 9: one per region.
Number	PROPERTIES	VENN3SB5792	IGCSE	SD	Venn diagram: positive integers, multiples of 5, 7 and 9: two per region.
Number	PROPERTIES	VENNS1	N3	SD	Using Venn Diagrams: 2 digit and odd numbers.
Number	PROPERTIES	VENNS2	N3	SD	Using Venn Diagrams: numbers >10 and <20.
Number	PROPERTIES	VENNS3	N3	SD	Using Venn Diagrams: multiples of 3, even.
Number	PROPERTIES	VENNS4	N3	SD	Using Venn Diagrams: multiples of 4, <25.
Number	PROPERTIES	VENN01S	N4	SD	Venn diagram: positive integers, multiples of 2 and 3.
Number	PROPERTIES	VENN02S	N4	SD	Venn diagram: positive integers, multiples of 2 and 5.
Number	PROPERTIES	VENN03S	N4	SD	Venn diagram: positive integers, multiples of 6 and 14.
Number	PROPERTIES	VENN04S	N4	SD	Venn diagram: positive integers, multiples of 4 and 15.
Number	PROPERTIES	VENN05S	N4	SD	Venn diagram: positive integers >50 and <100, multiples of 4 and 6.
Number	PROPERTIES	VENN06S	N4	SD	Venn diagram: positive integers >50 and <100, multiples of 6 and 8.
Number	PROPERTIES	VENN07S	N4	SD	Venn diagram: positive integers >50 and <100, multiples of 6 and 10.
Number	PROPERTIES	VENN08S	N4	SD	Venn diagram: positive integers >50 and <100, multiples of 8 and 12.
Number	PROPERTIES	VENN235	N4	SD	Venn diagram: multiples of 2, 3 and 5.
Number	PROPERTIES	VENN257	N4	SD	Venn diagram: multiples of 2, 5 and 7.
Number	PROPERTIES	VENN347	N4	SD	Venn diagram: multiples of 3, 4 and 7.
Number	PROPERTIES	VENN3N2351	N4	SD	Venn diagram: positive integers, multiples of 2, 3 and 5: one per region.
Number	PROPERTIES	VENN3N2352	N4	SD	Venn diagram: positive integers, multiples of 2, 3 and 5: two per region.
Number	PROPERTIES	VENN3N3471	N4	SD	Venn diagram: positive integers, multiples of 3, 4 and 7: one per region.
Number	PROPERTIES	VENN3N3472	N4	SD	Venn diagram: positive integers, multiples of 3, 4 and 7: two per region.
Number	PROPERTIES	VENN3N5791	N4	SD	Venn diagram: positive integers, multiples of 5, 7 and 9: one per region.
Number	PROPERTIES	VENN3N5792	N4	SD	Venn diagram: positive integers, multiples of 5, 7 and 9: two per region.
Number	PROPERTIES	VENN597	N4	SD	Venn diagram: multiples of 5, 9 and 7.
Number	PROPERTIES	VENNF31	N4	SD	Venn diagram: place 1 to 15, factors of 6, 10 and 14.
Number	PROPERTIES	VENNF32	N4	SD	Venn diagram: place 1 to 18, factors of 8, 12 and 18.
Number	PROPERTIES	VENNS5	N4	SD	Using Venn Diagrams: multiples of 2 and 5.
Number	PROPERTIES	VENNS6	N4	SD	Using Venn Diagrams: multiples of 2, factors of 18
Number	PROPERTIES	VENNS7	N4	SD	Using Venn Diagrams: multiples of 3, factors of 15
Number	PROPERTIES	VENNS8	N4	SD	Using Venn Diagrams: factors of 18, prime.
Number	PROPERTIES	VENNS9	N4	SD	Using Venn Diagrams: square, factors of 16.
Number	PROPERTIES	MFPFS	N5	SD	Picking numbers by properties: mixed.
Number	PROPERTIES	MULTSS1	N5	SD	Picking numbers by properties: multiples.
Number	PROPERTIES	VENNF33	N5	SD	Venn diagram: place 1 to 12, prime numbers, factors of 8 and 12.
Number	PROPERTIES	VENNF34	N5	SD	Venn diagram: place 1 to 15, prime numbers, factors of 9 and 15.
Number	PROPERTIES	VENNF35	N5	SD	Venn diagram: place 1 to 16, prime, square and triangular numbers.
Number	PROPORTION	INPROPS1	NX	SD	Inverse proportion with graph.
Number	PROPORTION	PROPN11T	NX	OPEN	Direct proportion.
Number	PROPORTION	PROPN12T	NX	OPEN	Inverse proportion.
Number	PROPORTION	PROPN13T	NX	OPEN	Direct proportion with square.
Number	PROPORTION	PROPN14T	NX	OPEN	Direct proportion with cube.
Number	PROPORTION	PROPN15T	NX	OPEN	Inverse proportion with square.
Number	PROPORTION	PROPORS1	NX	SD	Direct proportion with graph.
Number	PUZZLES	PUZNMS1	N3	SD	Sum and difference: truth table.
Number	PUZZLES	PUZNMS2	N3	SD	Sum and difference: truth table.
Number	PUZZLES	PUZNMS3	N3	SD	Product and difference: truth table.
Number	PUZZLES	PUZNMS4	N3	SD	Product and sum: truth table.
Number	PUZZLES	PUZNWS1	N3	SD	Odd and even: truth table.
Number	PUZZLES	PUZSQS1	N3	SD	Two by two hidden number addition puzzle.
Number	PUZZLES	PUZSQS2	N3	SD	Two by two hidden number addition puzzle.
Number	PUZZLES	STARS1	N3	SD	Magic star puzzle: sum.
Number	PUZZLES	STARS2	N3	SD	Magic star puzzle: sum.
Number	PUZZLES	TRIBYS2	N3	SD	Triangular puzzle: introduction.
Number	PUZZLES	TRIBYS3	N3	SD	Triangular puzzle: using common factors.

Number	PUZZLES	TRIBYS4	N3	SD	Triangular puzzle: larger numbers.
Number	PUZZLES	TRIBYT	N3+	OPEN	Triangular puzzle.
Number	PUZZLES	MAGICS	N4	SD	Introduce magic squares.
Number	PUZZLES	MAGICS2	N4	SD	Two magic squares.
Number	PUZZLES	MIDISUD1	N4	SD	Midi SU DOKU on 8 by 8 grid.
Number	PUZZLES	MIDISUD2	N4	SD	Midi SU DOKU on 8 by 8 grid.
Number	PUZZLES	MIDISUDT	N4	OPEN	8 by 8 midi SU DOKU all cells blank. Accepts and checks any data.
Number	PUZZLES	MINISUD1	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUD2	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUD3	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUD4	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUD5	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUD6	N4	SD	Mini SU DOKU on 4 by 4 grid.
Number	PUZZLES	MINISUDT	N4	OPEN	Mini SU DOKU all cells blank. Accepts and checks any data.
Number	PUZZLES	PUZNMS5	N4	SD	Sum, product and difference: truth table.
Number	PUZZLES	PUZNMS6	N4	SD	Sum, product, difference and quotient: truth table.
Number	PUZZLES	PUZNMS7	N4	SD	Sum and multiple: truth table.
Number	PUZZLES	PUZNMS8	N4	SD	Sum, product and multiple: truth table.
Number	PUZZLES	PUZSQS3	N4	SD	Two by two hidden number addition puzzle.
Number	PUZZLES	PUZSQS4	N4	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	PUZSQS5	N4	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	PUZSQS6	N4	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	SIXSUD1	N4	SD	Mini SU DOKU on 6 by 6 grid.
Number	PUZZLES	SIXSUD2	N4	SD	Mini SU DOKU on 6 by 6 grid.
Number	PUZZLES	SIXSUDT	N4	OPEN	6 by 6 mini SU DOKU all cells blank. Accepts and checks any data.
Number	PUZZLES	STARS3	N4	SD	Magic star puzzle: sum.
Number	PUZZLES	STARS4	N4	SD	Magic star puzzle: sum: some negatives.
Number	PUZZLES	TRIBYS5	N4	SD	Triangular puzzle: with negatives.
Number	PUZZLES	TRIPUZS1	N4	SD	Triangular addition puzzles.
Number	PUZZLES	TRIPUZS2	N4	SD	Triangular difference puzzles.
Number	PUZZLES	TRIPUZS3	N4	SD	Triangular multiplication puzzles.
Number	PUZZLES	MAXISUD1	N5	SD	SU DOKU problem.
Number	PUZZLES	MAXISUD2	N5	SD	SU DOKU problem.
Number	PUZZLES	MAXISUDT	N5	OPEN	SU DOKU all cells blank. Accepts and checks any data.
Number	PUZZLES	PUZSQS7	N5	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	PUZSQS8	N5	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	PUZSQS9	N5	SD	Three by three hidden number addition puzzle.
Number	PUZZLES	TRIBYS1	N3	SD	Triangular puzzle: introduction.
Number	RATIO	RATIOF01	N5+	OPEN	Ratio: simplest form, 1:n, n:1, checks truth of inputs.
Number	RATIO	RATIOT	N5+	OPEN	Active bar: set(hidden) and estimate ratios.
Number	RATIO	RATIOF09	N6	SD	Mixed units to ratios in simplest form: mixed questions.
Number	RATIO	RATIOF02A	N6+	OPEN	Mixed units to ratios in simplest form: cm mm.
Number	RATIO	RATIOF02B	N6+	OPEN	Mixed units to ratios in simplest form: km m.
Number	RATIO	RATIOF02C	N6+	OPEN	Mixed units to ratios in simplest form: m cm
Number	RATIO	RATIOF02D	N6+	OPEN	Mixed units to ratios in simplest form: kg g.
Number	RATIO	RATIOF02E	N6+	OPEN	Mixed units to ratios in simplest form: g mg.
Number	RATIO	RATIOF02F	N6+	OPEN	Mixed units to ratios in simplest form: m mm.
Number	RATIO	RATIOF02G	N6+	OPEN	Mixed units to ratios in simplest form: l cl.
Number	RATIO	RATIOF02H	N6+	OPEN	Mixed units to ratios in simplest form: l ml.
Number	RATIO	RATIOF02K	N6+	OPEN	Mixed units to ratios in simplest form: tonnes kg.
Number	RATIO	RATIOF03A	N6+	OPEN	Mixed units to ratios in simplest form: lb oz.
Number	RATIO	RATIOF03B	N6+	OPEN	Mixed units to ratios in simplest form: feet inches.
Number	RATIO	RATIOF03C	N6+	OPEN	Mixed units to ratios in simplest form: yards feet.
Number	RATIO	RATIOF03D	N6+	OPEN	Mixed units to ratios in simplest form: yards inches.
Number	RATIO	RATIOF03E	N6+	OPEN	Mixed units to ratios in simplest form: cwt lb.
Number	RATIO	RATIOF03F	N6+	OPEN	Mixed units to ratios in simplest form: tons cwt.
Number	RATIO	RATIOF04A	N6+	OPEN	Mixed units to ratios in simplest form: hrs min.
Number	RATIO	RATIOF04B	N6+	OPEN	Mixed units to ratios in simplest form: min sec.
Number	RATIO	RATIOF04C	N6+	OPEN	Mixed units to ratios in simplest form: hrs sec.
Number	RATIO	RATIOF04D	N6+	OPEN	Mixed units to ratios in simplest form: days hrs.
Number	RECIPROCAL	RECIPR	N6+	OPEN	Reciprocal: open tool: fraction and decimal.
Number	RECTANGLES	PROPPECQA	N5	OPEN	Calculate angles, one given.
Number	RECTANGLES	PROPPECQL	N8	OPEN	Calculate length of diagonals. Pythagoras.
Number	RECTANGLES	PROPPECQA2	NX	OPEN	Calculate angles using appropriate method.
Number	ROUNDING	ROUNDS1	N3	SD	Round to nearest 10.
Number	ROUNDING	ROUNDS2	N4	SD	Round to nearest 100.
Number	ROUNDING	ROUNDS3	N4	SD	Round to nearest 1000.
Number	ROUNDING	ROUNDS10	N5	SD	Two places of decimals.
Number	ROUNDING	ROUNDS4	N5	SD	Round to nearest 1.
Number	ROUNDING	ROUNDS5	N5	SD	Round to nearest tenth.
Number	ROUNDING	ROUNDS6	N5	SD	Place value.
Number	ROUNDING	ROUNDS7	N5	SD	One significant figure.
Number	ROUNDING	ROUNDS8	N5	SD	Two significant figures.
Number	ROUNDING	ROUNDS9	N5	SD	One place of decimals.
Number	ROUNDING	ROUNDT4	N5+	OPEN	One place of decimals.
Number	ROUNDING	ROUNDT5	N5+	OPEN	Two places of decimals.
Number	SEQUENCES	SEQFMS1	N2+	OPEN	Forming sequences: addition: from first term.
Number	SEQUENCES	SEQFMS2	N3+	OPEN	Forming sequences: addition: from any term.
Number	SEQUENCES	SEQFMS3	N3+	OPEN	Forming sequences: subtraction: from first term.
Number	SEQUENCES	SEQMXS1	N3+	OPEN	Finding missing terms: adding on: integer.
Number	SEQUENCES	SEQFMS4	N4+	OPEN	Forming sequences: subtraction: from any term.
Number	SEQUENCES	SEQFMS5	N4+	OPEN	Forming sequences: multiplication: from first term.
Number	SEQUENCES	SEQFMS6	N4+	OPEN	Forming sequences: multiplication: from any term.
Number	SEQUENCES	SEQFMS7F	N4+	OPEN	Forming sequences: division by 5: from first term.
Number	SEQUENCES	SEQFMS7T	N4+	OPEN	Forming sequences: division by 2: from first term.

Number	SEQUENCES	SEQFMS8F	N4+	OPEN	Forming sequences: division by 5: from any term.
Number	SEQUENCES	SEQFMS8T	N4+	OPEN	Forming sequences: division by 2: from any term.
Number	SEQUENCES	SEQMXS10	N4+	OPEN	Finding missing terms: multiplier: decimal.
Number	SEQUENCES	SEQMXS11	N4+	OPEN	Finding missing terms: multiplier: integer.
Number	SEQUENCES	SEQMXS12	N4+	OPEN	Finding missing terms: multiplier: decimal.
Number	SEQUENCES	SEQMXS2	N4+	OPEN	Finding missing terms: adding on: decimal.
Number	SEQUENCES	SEQMXS3	N4+	OPEN	Finding missing terms: adding on: integer.
Number	SEQUENCES	SEQMXS4	N4+	OPEN	Finding missing terms: adding on: decimal.
Number	SEQUENCES	SEQMXS5	N4+	OPEN	Finding missing terms: adding on: integer.
Number	SEQUENCES	SEQMXS6	N4+	OPEN	Finding missing terms: adding on: decimal.
Number	SEQUENCES	SEQMXS7	N4+	OPEN	Finding missing terms: multiplier: integer.
Number	SEQUENCES	SEQMXS8	N4+	OPEN	Finding missing terms: multiplier: decimal.
Number	SEQUENCES	SEQMXS9	N4+	OPEN	Finding missing terms: multiplier: integer.
Number	SIGNIFICANCE	SFIGSS	N5+	OPEN	Gives significance of input.
Number	SIGNIFICANCE	SFIGST	N5+	OPEN	Checks significance of input.
Number	SQUARE	SQCUS1	N5	SD	Squares and roots.
Number	SQUARE	SQCUS2	N5	SD	Squares and roots.
Number	SQUARE	SQCUT	N5+	OPEN	Squares and roots.
Number	SQUARE	SQNUS1	N5+	OPEN	Square a number: index notation.
Number	SQUARE	XSQUARED	N5+	OPEN	Squares and roots: graph: plots.
Number	STANDARD FORM	INDIC05T	N6	SD	From Standard Form.
Number	STANDARD FORM	INDIC06T	N6	SD	To Standard Form.
Number	STANDARD FORM	STFRDES	N7	SD	Estimating with Standard Form: division.
Number	STANDARD FORM	STFRMES	N7	SD	Estimating with Standard Form: multiplication.
Number	SUBTRACTION	DIFTABS1	N3	SD	Difference: table form.
Number	SUBTRACTION	SSPRS1	N3	SD	Subtraction: more than one solution.
Number	SUBTRACTION	TAKES1	N3	SD	Pen and paper method.
Number	SUBTRACTION	TRIDIFS1	N3	SD	Triangular puzzle.
Number	SUBTRACTION	DIFTABT	N3+	OPEN	Difference: table form.
Number	SUBTRACTION	SSPRT	N3+	OPEN	Subtraction: more than one solution.
Number	SUBTRACTION	SSST	N3+	OPEN	Two subtractions: more than one solution.
Number	SUBTRACTION	SUBITS	N3+	OPEN	Pen and paper method.
Number	SUBTRACTION	TRIDIFT	N3+	OPEN	Triangular puzzle.
Number	SUBTRACTION	DIFTABS2	N4	SD	Difference: table form.
Number	SUBTRACTION	SUBITA	N4	OPEN	Pen and paper equal addition method.
Number	SUBTRACTION	SUBTAB1	N4	SD	Subtraction table: positive small integers.
Number	SUBTRACTION	SUBTAB2	N4	SD	Subtraction table: positive integers.
Number	SUBTRACTION	TRIDIFS2	N4	SD	Triangular puzzle.
Number	SUBTRACTION	TRIDIFS3	N4	SD	Triangular puzzle.
Number	SUBTRACTION	TRIDIFS4	N4	SD	Triangular puzzle.
Number	SUBTRACTION	TRIDIFS5	N4	SD	Triangular puzzle.
Number	SUBTRACTION	DWEBT	N4+	OPEN	Difference web.
Number	SUBTRACTION	NEGTT	N4+	OPEN	Difference in temperatures: active thermometers.
Number	SUBTRACTION	SUBTABT	N4+	OPEN	Subtraction table: open.
Number	SUBTRACTION	SUBTAB3	N5	SD	Subtraction table: negative solution given positive integers.
Number	SUBTRACTION	SUBTAB4	N5	SD	Subtraction table: negative numbers.
Number	SUBTRACTION	SUBTAB5	N5	SD	Subtraction table: negative numbers.
Number	SUBTRACTION	SUBTAB6	N5	SD	Subtraction table: negative numbers.
Number	SUBTRACTION	SUBTAB7	N5	SD	Subtraction table: decimal.
Number	SUBTRACTION	SUBTAB8	N5	SD	Subtraction table: decimal and negatives.
Number	TRANSPOSITION	TRANS1	N4	OPEN	Transposition: 4 true statements using + and - with 3 numbers.
Space	ANGLE	ANGLETS1	S4	SD	Angle and Time
Space	ANGLE	ANGS1	S4	SD	Why 360: angles forming straight line.
Space	ANGLE	ANGLER01	S4+	OPEN	Interactive angle indicator: rotation.
Space	ANGLE	ANGLER02	S4+	OPEN	Interactive angle indicator: set and check an angle.
Space	ANGLE	ANGLE01T	S5	SD	Why 360? Angles of triangle. Angles forming straight line.
Space	ANGLE	ANGLE02T	S5	SD	Angles between parallel lines.
Space	ANGLE	ANGLE03T	S5	SD	Exterior and interior angles of regular polygons.
Space	ANGLE	ANGS2	S5	SD	Naming angles: upper case letters: notation.
Space	ANGLE	ANGS3	S5	SD	Calculating angles in polygons.
Space	ANGLE	ANGLE04T	S5+	OPEN	Calculating exterior angles of triangles.
Space	ANGLE	CANG01	S7+	OPEN	Circle geometry: angles at centre and circumference: semi-circle.
Space	ANGLE	CANG01A	S7+	OPEN	Circle geometry: angle circumference: semi-circle: algebra.
Space	ANGLE	CANG01C	S7+	OPEN	Circle geometry: angles at centre and circumference: algebra.
Space	ANGLE	CANG02	S7+	OPEN	Circle geometry: interactive tool to explore angles in same segment
Space	ANGLE	CANG03	S7+	OPEN	Circle geometry: explore angles at centre and circumference.
Space	ANGLE	CANG04	S7+	OPEN	Circle geometry: cyclic quadrilaterals: interactive diagram.
Space	ANGLE	CANG04Q	S7+	OPEN	Circle geometry: cyclic quadrilaterals: interactive diagram + question.
Space	ANGLE	CANG05	S7+	OPEN	Circle geometry: cyclic quadrilaterals: more complex interactive diagram.
Space	ANGLE	ANGLE10T	S8	SD	Circle geometry: semi-circle, centre and same segment.
Space	ANGLE	ANGLE10T2	S8	SD	Circle geometry: semi-circle, centre and same segment.
Space	ANGLE	ANGLE11T	S8	SD	Circle geometry: tangent and cyclic quadrilateral.
Space	ANGLE	ANGLE12T	S8	SD	Circle geometry: mixture.
Space	ANGLE	ANGLEC01T	S8+	OPEN	Circle geometry: same segment.
Space	ANGLE	ANGLEC02T	S8+	OPEN	Circle geometry: same segment: angle at centre.
Space	ANGLE	ANGLEC03T	S8+	OPEN	Circle geometry: same segment: angle at centre.
Space	ANGLE	ANGLEC04T	S8+	OPEN	Circle geometry: angle in semi-circle: cyclic quadrilateral.
Space	ANGLE	ANGLEC05T	S8+	OPEN	Circle geometry: tangent: same segment: centre.
Space	ANGLE	ANGLEC06T	S8+	OPEN	Circle geometry: tangent: centre: equal chords.
Space	ANGLE	ANGLEC07T	S8+	OPEN	Circle geometry: intersecting tangents.
Space	ANGLE	CIRCANG4P	S8+	Open	Circle geometry: 4 points : 4 connections: angles calculated.
Space	ANGLE	CIRCANG4P2	S8+	Open	Circle geometry: 4 points : 6 connections: angles calculated.
Space	ANGLE	CIRCANGCC	S8+	Open	Circle geometry: angle at centre and circumference: angles calculated.
Space	ANGLE	CIRCANGCC2	S8+	Open	Circle geometry: angle at centre and circumference: angles calculated.
Space	ANGLE	CIRCANGCQ	S8+	Open	Circle geometry: opposite angles of cyclic quadrilateral: angles calculated.

Space	ANGLE	CIRCGQ01	S8+	SD	Circle geometry: 4 points: intersection: input angles.
Space	ANGLE	CIRCGQ02	S5	Open	Circle geometry: 4 points: intersection: input angles.
Space	ANGLE	CIRCGQ10	S8+	Open	Circle geometry: 4 points: intersection: input angles and distances.
Space	AREA	PAREAS1	S4	SD	Perimeter and area: grid.
Space	AREA	AREAQU00	S4+	Open	Area of rectangle: active diagram on grid: area given.
Space	AREA	AREAQU00Q	S4+	Open	Area of rectangle: active diagram on grid: input area.
Space	AREA	AREATRI	S4+	OPEN	Set triangle and area given. Interactive diagram.
Space	AREA	AREATRIQ	S4+	OPEN	Set triangle and complete area. Interactive diagram.
Space	AREA	AREAQU01	S5	Open	Area of rectangle: active diagram on co-ordinate grid: area given.
Space	AREA	AREAQU02	S5	Open	Area of parallelogram: active diagram on co-ordinate grid: area given.
Space	AREA	AREAQU03	S5	Open	Area of parallelogram and triangle on co-ordinate grid: area given.
Space	AREA	AREAQU04	S5	Open	Area of parallelogram with diagonals on co-ordinate grid: area given.
Space	AREA	AREAQU05	S5	Open	Area of rhombus with diagonals on co-ordinate grid: area given.
Space	AREA	AREAQU06	S5	Open	Area of trapezium with guide on co-ordinate grid: area given.
Space	AREA	AREAQU06Q	S5	Open	Area of trapezium on co-ordinate grid: input average width and area.
Space	AREA	AREAQU07	S5	Open	Area of kite, with rectangle guide, on co-ordinate grid: area given.
Space	AREA	AREAQU07Q	S5	Open	Area of kite, with rectangle guide, on co-ordinate grid: input area.
Space	AREA	AREAT1	S5	SD	Area of rectangles.
Space	AREA	AREAT2	S5	SD	Area of triangles.
Space	AREA	AREAT4	S5	SD	Area of shapes made from rectangles and triangles.
Space	AREA	AREAT5	S5	SD	Area of plane shapes: taking spare area from the surrounding grid.
Space	AREA	AREAT5B	S5	SD	Area of plane shapes: taking spare area from the surrounding grid.
Space	AREA	AREAT6	S5	SD	Area of plane shapes: taking away from the surrounding rectangle.
Space	AREA	AREAT7	S5	SD	Area of Trapezia.
Space	AREA	AREAT8	S5	SD	Area of Parallelograms.
Space	AREA	AREAT8B	S5	SD	Area of Parallelograms.
Space	AREA	AREAT9	S5	SD	Area of Kites.
Space	AREA	AREATR00	S5	Open	Area of triangle: active diagram on grid: interactive shear: area given.
Space	AREA	AREATR00P	S5	Open	Area of triangle: rectangle on base: perpendicular: shear : area given.
Space	AREA	AREATR00R	S5	Open	Area of triangle: rectangle on base: interactive shear : area given.
Space	AREA	AREATR01	S5	Open	Area of triangle: co-ordinate grid: rectangle : interactive shear : area given.
Space	AREA	AREATR01E	S5	Open	Area of triangle: cm2 grid: rectangle : 2 variables : input areas.
Space	AREA	AREATR01X	S5	Open	Area of triangle: cm2 grid: rectangle : 3 variables : input areas.
Space	AREA	AREATR02	S5	Open	Area of triangle: 1st quad. co-ordinate grid: rectangle : shear : input area.
Space	AREA	AREATR03	S5	Open	Area of triangle: 4 quad. co-ordinate grid: rectangle : shear : input area.
Space	AREA	AREATRIQ01	S5	SD	Area of triangles from co-ordinate diagrams. 10 problems.
Space	AREA	AREATRIQ02	S5	SD	Area of triangles from co-ordinate diagrams. 10 problems.
Space	AREA	PAREAS3	S5	SD	Area of shapes made from rectangles.
Space	AREA	PAREAS4	S5	SD	Area of shapes made from rectangles.
Space	AREA	PAREAS4B	S5	SD	Area of shapes made from rectangles.
Space	AREA	AREAQUAD	S5+	OPEN	Area of quadrilaterals. Active diagram. Open.
Space	AREA	AREAQUADQ01	S5+	SD	Area of quadrilaterals from co-ordinate diagrams. 10 problems.
Space	AREA	AREAQUADQ02	S5+	SD	Area of quadrilaterals from co-ordinate diagrams. 10 problems.
Space	AREA	AREATR04	S5+	Open	Area of triangle: 4 quad. co-ordinate grid: shear : input area.
Space	AREA	AREATR05	S5+	Open	Area of triangle: 4 quad. co-ordinate grid: surround: area given.
Space	AREA	AREATR06	S5+	Open	Area of triangle: 4 quad. co-ordinate grid: surround: input area.
Space	AREA	AREATR10	S5+	Open	Area of triangle: no grid: no rectangle: input area.
Space	AREA	AREATR10R	S5+	Open	Area of triangle: no grid: rectangle: input areas.
Space	AREA	AREATRIQ03	S5+	SD	Area of triangles from co-ordinate diagrams. 10 problems.
Space	AREA	AREATRIQ04	S5+	SD	Area of triangles from co-ordinate diagrams. 10 problems.
Space	AREA	AREATRIQ05	S5+	SD	Area of triangles from co-ordinate diagrams. 10 problems.
Space	AREA	AREATT	S5+	OPEN	Area of triangles.
Space	AREA	AREAC01	S6	OPEN	Interactive diagram: control lengths: total surface area given.
Space	AREA	AREAC02	S6	OPEN	Interactive diagram: control lengths: input total surface area.
Space	AREA	AREAC03	S6	OPEN	Interactive diagram: input total surface area: large numbers.
Space	AREA	AREAC04	S6	OPEN	Interactive diagram: input total surface area: m2 to cm2.
Space	AREA	AREAC05	S6	OPEN	Interactive diagram: input total surface area: cm2 to m2.
Space	AREA	AREAF01	S6	OPEN	Surface area of faces of cuboids: interactive diagram: no scaling.
Space	AREA	AREAQU2U1	S6	Open	Area of rectangle: active diagram: m2 to cm2.
Space	AREA	AREAQU2U2	S6	Open	Area of rectangle: active diagram: m2 to cm2.
Space	AREA	AREAQU2U3	S6	Open	Area of rectangle: active diagram: m2 to cm2.
Space	AREA	PAREAS5	S6	SD	Area of compound shapes.
Space	AREA	PAREAS6	S6	SD	Area of compound shapes.
Space	AREA	PAREAS7	S6	SD	Area of compound shapes.
Space	AREA	PAREAS8	S6	SD	Area of compound shapes.
Space	AREA	VOLAR02	S6	OPEN	Interactive diagram: control lengths: gives total surface area and volume.
Space	AREA	VOLAR02	S6	OPEN	Interactive diagram: control lengths: input total surface area and volume.
Space	AREA	VOLAR03	S6	OPEN	Rescaling diagram: control lengths: input total surface area and volume.
Space	AREA	VOLAR04	S6	OPEN	Rescaling diagram: input total surface area and volume: m from cm.
Space	AREA	AREA2X	S6+	SD	Enlarge quadrilaterals and calculate areas: ZOOM diagrams.
Space	AREA	AREAS1	S6+	OPEN	Surface area of cuboids.
Space	AREA	AREAS2	S6+	OPEN	Outer surface area of open top tanks.
Space	AREA	AREAS3	S6+	OPEN	Total surface area of open top tanks.
Space	AREA	AREASP1	S6+	OPEN	Problem solving: cost of painting outer surface of open top tanks.
Space	AREA	ENAR01T	S6+	SD	Enlarge shapes and calculate areas: 15 questions: ZOOM diagrams.
Space	AREA	ENAR03T	S6+	SD	Fractional enlargement: calculate areas: 10 questions: ZOOM.
Space	AREA	AREAGM	SX	OPEN	Approximating the area between parabola and $y = n$ between limits.
Space	AREA	AREAGY0	SX	OPEN	Approximating the area between parabola and $y = 0$ between limits.
Space	CAPACITY	MEASS08	S4+	OPEN	Volume in ml and l.
Space	CAPACITY	MEASS09	S4+	OPEN	Volume in ml and l.
Space	CIRCLES	AREACIRC01	S5	OPEN	Calculating area of a circle, one square of radius: interactive diagram.
Space	CIRCLES	AREACIRC02	S5	OPEN	Calculating area of a circles, three squares of radius: interactive diagram.
Space	CIRCLES	CIRCC01	S5	OPEN	Calculating length of circumference: interactive diagram.
Space	CIRCLES	CIRCLEA	S5	SD	Calculating area: information only.
Space	CIRCLES	CIRCLEA2	S5	OPEN	Calculating area: calculate and enter.

Space	CIRCLES	CIRCLEA3	S5	OPEN	Calculating radius and diameter from area.
Space	CIRCLES	CIRLEC	S5	SD	Calculating circumference: information only.
Space	CIRCLES	CIRLEC2	S5	OPEN	Calculating circumference: calculate and enter.
Space	CIRCLES	CIRLEC3	S5	OPEN	Calculating radius and diameter from circumference.
Space	CIRCLES	ARC01	S6	OPEN	Calculating lengths of arcs: interactive diagram.
Space	CIRCLES	CIRCAP01	S6	OPEN	Calculating area taking away part of a circle: interactive diagram.
Space	CIRCLES	CIRCAP02	S6	OPEN	Calculating areas of washers problem: interactive diagram.
Space	CIRCLES	CONCIRC01	S6	OPEN	Calculating areas of annular rings: interactive diagram.
Space	CIRCLES	CONCIRC02	S6	OPEN	Calculating areas of parts of annular rings: interactive diagram.
Space	CIRCLES	SECTOR01	S6	OPEN	Calculating areas of sectors: interactive diagram.
Space	CIRCLES	SECTOR02	S6	OPEN	Calculating perimeters of sectors: interactive diagram.
Space	CIRCLES	CHORD01	SX	OPEN	Calculating lengths of chords: interactive diagram.
Space	CIRCLES	EQCIRCLE	SX	OPEN	Explore equation of the circle, active graph.
Space	CIRCLES	EQTANCIRC	SX	Open	Explore tangents to points on the circumference: active diagram.
Space	CIRCLES	SECTOR3	SX	OPEN	Calculating areas of triangles in sectors: interactive diagram.
Space	CIRCLES	SEG01	SX	OPEN	Calculating areas of segments: interactive diagram.
Space	CO-ORDINATES 3D	3DCOORD01	SX	SD	Enter coordinates of vertices of cuboid given A is at the Origin
Space	CO-ORDINATES 3D	3DCOORD02	SX	SD	Enter coordinates of vertices of cuboid given A is at the Origin
Space	CO-ORDINATES 3D	3DCOORD03	SX	SD	Enter coordinates of vertices of cuboid given A is at the Origin
Space	CO-ORDINATES 3D	3DCOORD04	SX	SD	Enter coordinates of vertices of cuboid given A is at (2,2,2)
Space	CO-ORDINATES 3D	3DCOORD05	SX	SD	Enter coordinates of vertices of cuboid given A is at (3,3,3)
Space	CO-ORDINATES 3D	3DCOORD06	SX	SD	Enter coordinates of vertices of cuboid given A is at (1,1,1)
Space	CO-ORDINATES 3D	3DCOORD07	SX	SD	Enter coordinates of vertices of cuboid given A is at (2,4,3)
Space	CO-ORDINATES 3D	3DCOORD08	SX	SD	Enter coordinates of vertices of cuboid given A is at (2,3,4)
Space	CO-ORDINATES 3D	3DCOORD09	SX	SD	Enter coordinates of vertices of cuboid given A is at (2,4,3)
Space	COSINE	COSGRAF2	SX	OPEN	Cosine graphs: transforming: 2 variables.
Space	COSINE	COSGRAF3	SX	OPEN	Cosine graphs: transforming: 3 variables.
Space	DIRECTION	CDIR01	S4	SD	Interactive compass direction diagram.
Space	DIRECTION	ORIENS1	S4	SD	Points of the compass.
Space	DIRECTION	ORIENS2	S4	SD	Compass directions.
Space	ENLARGEMENT	ENL0	S6+	OPEN	Enlarge 'L': centre and scale factor: active display.
Space	ENLARGEMENT	ENLARGE	S6+	OPEN	Enlarge: centre and scale factor: active display: decimal allowed.
Space	ENLARGEMENT	ENLARGE1TF	S6+	SD	15 questions with interactive zoom: Fractional enlargements.
Space	ENLARGEMENT	ENLARGE1TP	S6+	SD	15 questions with interactive zoom: positive enlargements.
Space	ENLARGEMENT	ENLARGE2	S6+	OPEN	Enlarge: centre and scale factor: active display: quadrilaterals.
Space	ENLARGEMENT	ENLARGE2X	S6+	OPEN	Enlarge: centre and scale factor: ZOOM: quadrilaterals.
Space	ENLARGEMENT	ENLARGE3	S6+	OPEN	Enlarge: centre and scale factor: active display: triangles.
Space	ENLARGEMENT	ENLARGE3X	S6+	OPEN	Enlarge: centre and scale factor: ZOOM: triangles.
Space	ENLARGEMENT	ENLARGE1TM	S7+	SD	15 questions with interactive zoom: Mixture of enlargements.
Space	ENLARGEMENT	ENLARGE1TN	S7+	SD	15 questions with interactive zoom: Negative enlargements.
Space	GAMES	BATTLE01	S3	SD	Near to traditional battleships against the computer.
Space	GAMES	BATTLE01B	S3	SD	Near to traditional battleships against the computer.
Space	GAMES	BATTLE01C	S3	SD	Near to traditional battleships against the computer.
Space	GAMES	BATTLE01D	S3	SD	Near to traditional battleships against the computer.
Space	GAMES	BATTLE01E	S3	SD	Near to traditional battleships against the computer.
Space	GRAPHSC	CONVGR01	S5+	OPEN	Conversion graph: pounds: kilograms.
Space	GRAPHSC	CONVGR01R	S5+	OPEN	Conversion graph: pounds: kilograms : arithmetic prompt.
Space	GRAPHSC	CONVGR02	S5+	OPEN	Conversion graph: miles: kilometres.
Space	GRAPHSC	CONVGR02R	S5+	OPEN	Conversion graph: miles: kilometres : arithmetic prompt.
Space	GRAPHSC	CONVGR03	S5+	OPEN	Conversion graph: ounces: grams.
Space	GRAPHSC	CONVGR04	S5+	OPEN	Conversion graph: gallons: litres.
Space	INVESTIGATE	NSQUARES	S5+	OPEN	Investigate squares within squares.
Space	INVESTIGATE	NSQUARESR	S5+	OPEN	Investigate squares within rectangles.
Space	INVESTIGATE	DIAGS01	S5+	OPEN	Investigate number of diagonals in polygons.
Space	LENGTH	MEASS01	S4+	OPEN	km and m.
Space	LENGTH	MEASS03	S4+	OPEN	m and cm.
Space	LENGTH	MEASS05	S5+	OPEN	m, cm and mm.
Space	LENGTH	MEASS06	S5+	OPEN	m, cm and mm.
Space	LENGTH	MEASS10	S5+	OPEN	m, cm and mm.
Space	LOCI	LOCUS01	S7	SD	Active locus of point fixed distance from straight line.
Space	LOCI	LOCUS02	S7	SD	Active locus of point on circumference of travelling wheel.
Space	LOCI	LOCUS03	S7	SD	Active locus of the mid point of an engine connecting rod.
Space	LOCI	LOCUS04	S7	SD	Active locus of a point a fixed distance from the sides of a square.
Space	LOCI	LOCUS05	S7	OPEN	Active locus of a variable point on an engine connecting rod.
Space	LOCI	LOCUS06	S7	OPEN	Active locus of a string held taut from two points, (ellipse).
Space	MASS	MEASS02	S4+	OPEN	g and kg.
Space	MASS	MEASS04	S4+	OPEN	g and mg.
Space	MASS	MEASS07	S5+	OPEN	g, cg and kg.
Space	MATRICES	MAT1	SX	Open	Adding matrices.
Space	MATRICES	MAT1T	SX	Open	Subtracting matrices.
Space	MATRICES	MAT2	SX		Matrix product (1 by 2) by (2 by 2)
Space	MATRICES	MAT2A	SX		Matrix product (2 by 2) by (2 by 1)
Space	MATRICES	MAT2B	SX		Matrix product (2 by 2) by (2 by 2)
Space	MATRICES	MAT2C	SX		Matrix product (3 by 2) by (2 by 2)
Space	MATRICES	MAT3D	SX		Matrix product (2 by 2) by (2 by 2) producing identity: (inverse).
Space	MATRICES	MAT3I	SX	Open	Effect of multiplying a 2 by 2 with the Identity matrix.
Space	MATRICES	MAT3I2	SX	SD	Effect of multiplying a 2 by 2 by its inverse.
Space	MATRICES	MAT3I3	SX	SD	Effect of multiplying a 2 by 2 by its inverse.
Space	MATRICES	MAT3I4	SX	SD	Explore multiplying a 2 by 2 by its inverse: introduce determinant.
Space	MATRICES	MAT5	SX	Open	Effect of 2 by 2 on unit square: active diagram.
Space	MATRICES	MAT5C	SX	Open	Effect of 2 by 2 on rectangle: active diagram.
Space	MATRICES	MAT5X	SX	Open	Effect of 2 by 2 on any quadrilateral: active diagram.
Space	MATRICES	MATINV01	SX	Open	Effect of 2 by 2 on parallelogram: active diagram.
Space	MATRICES	MATINV02	SX	Open	Effect of 2 by 2 on rectangle: active diagram.
Space	MATRICES	MATINV03	SX	Open	Effect of 2 by 2 on triangle: active diagram.

Space	MATRICES	MATINV04	SX	Open	Effect of 2 by 2 on right angled trapezium: active diagram.
Space	MATRICES	MATINV05	SX	Open	Effect of 2 by 2 on basic quadrilateral: active diagram.
Space	MATRICES	MATINV10	SX	Open	Effect of 2 by 2 on any quadrilateral: active diagram.
Space	MATRICES	TRANSFORM1	SX	Open	Explore multiplying by eight 2 by 2 transformation matrices.
Space	MATRICES	TRANSFORM2	SX	Open	Transform unit square with 2 by 2 matrix.
Space	MATRICES	TRANSFORM3	SX	Open	Transform unit square with 2 by 2 matrix: investigate area.
Space	MEASURE	SPEED01	S5	OPEN	Speedometer showing mph and km per hour: interactive.
Space	MEASURE	SPEED02	S5	OPEN	Speedometer showing mph: input km per hour: interactive.
Space	MEASURE	UNITC01	S5	OPEN	Converting units of measure. Introduction. Metric and time. Large to small.
Space	MEASURE	UNITC02	S5	OPEN	Converting units of measure. Introduction. imperial. Large to small.
Space	MEASURE	UNITC03	S5	OPEN	Converting units of measure. Introduction. Metric and time. Small to large.
Space	MEASURE	UNITC04	S5	OPEN	Converting units of measure. Introduction. imperial. Small to large.
Space	NETS	NETS2	S5	SD	Identify nets of solids.
Space	NETS	NETS2C	S5	SD	Identify names of nets of solids.
Space	NETS	NETSC1	S5	SD	Identify nets of cubes.
Space	PERIMETER	PAREAS1	S4	SD	Perimeter and area: grid.
Space	PERIMETER	PAREAS2	S5+	SD	Calculate missing sections of perimeters.
Space	POSITION	DIRECS1	S3	SD	Position on a grid.
Space	PROBLEMS	PAREAPS1	S5+	OPEN	Problem with area and perimeter.
Space	PYTHAGORAS	AREAF02	S7	OPEN	Pythagoras: surface area right triangular prism: interactive diagram.
Space	PYTHAGORAS	AREAF02B	S7	OPEN	Pythagoras: surface area right triangular prism: int. diag: scaling
Space	PYTHAGORAS	PYTHAG00T	S7	SD	Pythagoras: finding third side.
Space	PYTHAGORAS	PYTHAG01T	S7	SD	Pythagoras: finding third side.
Space	PYTHAGORAS	PYTHAG02T	S7	SD	Pythagoras: finding third side.
Space	PYTHAGORAS	PYTHAG03T	S7	SD	Pythagoras: 2D problems.
Space	PYTHAGORAS	PYTHAG04T	S7	SD	Pythagoras: 2D problems.
Space	PYTHAGORAS	PYTHAG05T	S7	SD	Pythagoras: 2D problems.
Space	PYTHAGORAS	PYTHAG06T	S7	SD	Pythagoras: 2D problems.
Space	PYTHAGORAS	PYTHAGEX	S7	OPEN	Pythagoras with interactive triangle. Explore squares of sides.
Space	PYTHAGORAS	PYTHAGEX2	S7	OPEN	Pythagoras with interactive triangle and squares. Explore squares of sides.
Space	PYTHAGORAS	PYTHAG07T	S8	SD	Pythagoras: 3D problem.
Space	PYTHAGORAS	PYTHAG08T	S8	SD	Pythagoras: 3D problem.
Space	PYTHAGORAS	PYTHAG09T	S8	SD	Pythagoras: 3D problem.
Space	PYTHAGORAS	PYTHAG10T	S8	SD	Pythagoras: 3D problem.
Space	PYTHAGORAS	PYTHAGEX3	S8	OPEN	Pythagoras with interactive diagram. Explore algebraic relationship.
Space	PYTHAGORAS	PYTHAGTS	SX	OPEN	Pythagoras with interactive diagram. Explore trigonometric relationship.
Space	PYTHAGORAS	TRIANGLES2	SX	OPEN	Draw and identify type of triangle using Pythagoras.
Space	RATIO	RATIOSF06	S6+	OPEN	Maps: scales and distance.
Space	RATIO	WHEELS	S6+	OPEN	Three interactive meshed gear wheels. Explore.
Space	RATIO	WHEELS2	S6+	OPEN	Four interactive meshed gear wheels, (2 int. on same axle). Explore.
Space	RATIOS	RATIOSH01	S6	SD	Ratio and enlargement: diagrams: rectangle: linear: 1:2.
Space	RATIOS	RATIOSH01T	S6	SD	Ratio and enlargement: diagrams: triangle: linear: 2:1
Space	RATIOS	RATIOSH01X	S6	SD	Ratio and enlargement: diagrams: rectangle: linear: 2:5.
Space	RATIOS	RATIOSH06	S6	SD	Ratio and enlargement: diagrams: cuboid: linear: 1:2.
Space	RATIOS	RATIOSH06T	S6	SD	Ratio and enlargement: diagrams: prism: linear: 2:1
Space	RATIOS	RATIOSH02	S6+	OPEN	Ratio and enlargement: diagrams: rectangle: linear: 1:n.
Space	RATIOS	RATIOSH02T	S6+	OPEN	Ratio and enlargement: diagrams: triangle: linear: n:1
Space	RATIOS	RATIOSH02X	S6+	OPEN	Ratio and enlargement: diagrams: rectangle: linear: n:m.
Space	RATIOS	RATIOSH03	S7	SD	Ratio and enlargement: diagrams: rectangle: linear and area: 1:2.
Space	RATIOS	RATIOSH03T	S7	SD	Ratio and enlargement: diagrams: triangle: linear and area: 2:1
Space	RATIOS	RATIOSH03X	S7	SD	Ratio and enlargement: diagrams: rectangle: linear and area: 2:5.
Space	RATIOS	RATIOSH04	S7	SD	Ratio and enlargement: diagrams: rectangle: linear and area: 1:3.
Space	RATIOS	RATIOSH04T	S7	SD	Ratio and enlargement: diagrams: triangle: linear and area: 5:1
Space	RATIOS	RATIOSH05	S7	SD	Ratio and enlargement: diagrams: rectangle: linear and area +: 1:n.
Space	RATIOS	RATIOSH05T	S7	SD	Ratio and enlargement: diagrams: triangle: linear and area +: n:1
Space	RATIOS	RATIOSH07	S7	SD	Ratio and enlargement: diagrams: cuboid: linear: volume: 1:2.
Space	RATIOS	RATIOSH07T	S7	SD	Ratio and enlargement: diagrams: prism: linear: volume: 1:2.
Space	RATIOS	RATIOSH04X	S7+	OPEN	Ratio and enlargement: diagrams: rectangle: linear and area: n:m.
Space	RATIOS	RATIOSH05X	S7+	OPEN	Ratio and enlargement: diagrams: rectangle: linear and area +: n:m.
Space	RATIOS	RATIOSH08	S7+	OPEN	Ratio and enlargement: diagrams: cuboid: linear: volume: 1:n.
Space	RATIOS	RATIOSH08T	S7+	OPEN	Ratio and enlargement: diagrams: prism: linear: volume: 1:n.
Space	RATIOS	RATIOSH09	S7+	OPEN	Ratio and enlargement: diagrams: cuboid: linear: volume +: 1:n.
Space	RATIOS	RATIOSH09T	S7+	OPEN	Ratio and enlargement: diagrams: prism: linear: volume +: 1:n.
Space	RATIOS	RATIOSH09X	S7+	OPEN	Ratio and enlargement: diagrams: prism: linear: volume +: n:m.
Space	REFLECTION	REFL1	S6+	OPEN	Reflect 'L': lines parallel to axes: active display.
Space	REFLECTION	REFLECT	S6+	OPEN	Reflect shape in lines parallel to axes: active display.
Space	REFLECTION	REFLECT2	S6+	OPEN	Reflect quadrilaterals in lines parallel to axes: active display.
Space	REFLECTION	REFLECT3	S6+	OPEN	Reflect triangles in lines parallel to axes: active display.
Space	REFLECTION	REFLECT4	S6+	OPEN	Reflect quadrilaterals in $y = x$ and $y = -x$: active display.
Space	REFLECTION	REFLECT5	S6+	OPEN	Reflect triangles in $y = x$ and $y = -x$: active display.
Space	REFLECTION	REFLECT6	S6+	OPEN	Reflect quadrilaterals in $y = mx$: control position: active display.
Space	REFLECTION	REFLECT7	S6+	OPEN	Reflect quadrilaterals in $y = mx$: control position and size: active display.
Space	REFLECTION	REFLQT0	S6+	SD	15 questions: input line: active display and check: lines parallel to axes.
Space	REFLECTION	REFLQT1	S6+	SD	15 questions: input line: active display and check: $y=mx$.
Space	REFLECTION	REFLECT7M	SXX	OPEN	Reflect quadrilaterals in $y = mx$: explore matrix: active display.
Space	ROTATION	ROTATOR	S4+	OPEN	Rotate chosen letter about given point: any angle.
Space	ROTATION	ROTATE00	S6+	OPEN	Rotate diagram about the origin: any angle: active display.
Space	ROTATION	ROTATE01	S6+	OPEN	Rotate diagram about the origin: any angle: automated 360 rotation.
Space	ROTATION	ROTATE02	S6+	OPEN	Rotate diagram about any point: any angle: active display.
Space	ROTATION	ROTATE03	S6+	OPEN	Rotate diagram about any point: any angle: automated 360 rotation.
Space	ROTATION	ROTATE05	S6+	OPEN	Rotate rectangle about any point: any angle: automated 360 rotation.
Space	ROTATION	ROTATE06	S6+	OPEN	Rotate chosen quadrilateral about any point: any angle.
Space	ROTATION	ROTATE06X	S6+	OPEN	Rotate chosen quadrilateral about any point: select position: any angle.
Space	ROTATION	ROTATE06Y	S6+	OPEN	Comprehensive quadrilateral rotating tool.
Space	ROTATION	ROTATE07	S6+	OPEN	Rotate chosen triangle about any point: any angle.

Space	ROTATION	ROTATE07X	S6+	OPEN	Rotate chosen triangle about any point: select position: any angle.
Space	ROTATION	ROTATE07Y	S6+	OPEN	Comprehensive triangle rotating tool.
Space	ROTATION	ROTATE09	S6+	OPEN	Rotate chosen polygon about given point: any angle.
Space	ROTATION	ROTATE10	S6+	OPEN	Rotate chosen polygon about any point: any angle.
Space	ROTATION	ROTATE10Y	S6+	OPEN	Rotate chosen polygon: any point: through any angle: comprehensive.
Space	ROTATION	ROTATEM	S6+	OPEN	Rotate chosen letter about any point: any angle.
Space	ROTATION	ROTEDTS	S6+	SD	15 questions: input centre, angle and direction(+/-): active rotation.
Space	ROTATION	ROTEDTSD	S6+	SD	15 questions: input centre, angle and direction(CW/AC): active rotation.
Space	ROTATION	ROTL2	S6+	OPEN	Rotate 'L': -90,90,180, centre: active display.
Space	SHAPE	SCONT00	S4	SD	Recognising Similarity.
Space	SHAPE	SHAPE1	S4	SD	Identify names of quadrilaterals.
Space	SHAPE	SHAPE2	S4	SD	Identify names of polygons.
Space	SHAPE	SHAPE3	S4	SD	Identify types of triangles.
Space	SHAPE	SHAPE4	S4	SD	Identify names of solids.
Space	SHAPE	SHAPES2	S4	SD	Matching similar shapes.
Space	SHAPE	3D1	S5	SD	Active diagrams of some simple solids: twirl.
Space	SHAPE	QUADS1	S5	SD	Inserting quadrilateral names to make set of true relational statements.
Space	SHAPE	SHAPES6	S5	SD	Naming polygons using letters at vertices.
Space	SHAPE	SHAPEV01T	S5	SD	Sorting quadrilaterals by properties from shapes: Venn diagram.
Space	SHAPE	SHAPEV02T	S5	SD	Sorting quadrilaterals by properties using shape names: Venn diagram.
Space	SHAPE	SHAPEV03T	S5	SD	Sorting plane shapes by properties using diagrams: Venn diagram.
Space	SHAPE	SCONT01	S5+	SD	Recognising Similarity and Congruence.
Space	SHAPE	SCONT02	S5+	SD	Recognising Similarity and Congruence.
Space	SHAPE	TRIANGLES	S5+	OPEN	Draws triangles given 3 sides. Interactive diagram. Explore.
Space	SHAPE	SCONT10	S6+	SD	Congruence of triangles, four rules.
Space	SHAPE	SCONT11	S6+	SD	Congruence of triangles, four rules.
Space	SHAPE	TRIANGLES2	SX	OPEN	Draw triangles using side lengths and name type.
Space	SINE	SINGRAF2	SX	OPEN	Sine graphs: transforming: 2 variables.
Space	SINE	SINGRAF3	SX	OPEN	Sine graphs: transforming: 3 variables.
Space	SPACE	SHAPP01	S4	SD	Complete squares from 1 side given. 10 questions. Active graphics.
Space	SPACE	QUADPKIT	S4+	OPEN	Checks properties to see if a kite
Space	SPACE	QUADPPAT	S4+	OPEN	Checks properties to see if a parallelogram
Space	SPACE	QUADPRECT	S4+	OPEN	Checks properties to see if a rectangle
Space	SPACE	QUADPRHT	S4+	OPEN	Checks properties to see if a rhombus
Space	SPACE	QUADRAW1	S4+	OPEN	Draws from input ABCD and shows AC and BD on completion.
Space	SPACE	QUADRAW2	S4+	OPEN	Draws from input ABCD. Gives values of point of visible intersection.
Space	SPACE	QUADRAW2A	S4+	OPEN	Draws from input ABCD shows intersection when convex. Input values.
Space	SPACE	QUADRAW2X	S4+	OPEN	Draws from input ABCD shows intersection and values when convex..
Space	SPACE	QUADRAW2XA	S4+	OPEN	Draws from input ABCD. Checks input values of point of intersection.
Space	SPACE	QUADRAW3	S4+	OPEN	As QUADRAW1 with 4 quadrants.
Space	SPACE	QUADRAW4	S4+	OPEN	As QUADRAW2 with 4 quadrants.
Space	SPACE	SHAPP01Q	S5	SD	Complete squares. 10 questions. Active graphics. 4 quadrants.
Space	SPACE	SHAPP02	S5	SD	Complete rectangles from 1 side and centre given. 10 q. Active graphics.
Space	SPACE	SHAPP03	S5	SD	Complete parallelograms from 1 side and centre given. 10 q. Active graphics.
Space	SPACE	SHAPP06	S5	SD	Complete quadrilaterals from 1 side given. 10 questions. Active graphics.
Space	SPACE	SHAPP07	S6	SD	Complete quadrilaterals from 1 side given. 10 questions. Active graphics.
Space	SPACE	ROT3D02	EXT	OPEN	Wireframe rotation about x, y and z axes. Cube.
Space	SPACE	ROT3D03	EXT	OPEN	Wireframe rotation about x, y and z axes. Cuboid.
Space	SPACE	ROT3D03SA	EXT	OPEN	Wireframe rotation. Cuboid. Surface area.
Space	SPACE	ROT3D03V	EXT	OPEN	Wireframe rotation. Cuboid. Volume.
Space	SPACE	ROT3D04	EXT	OPEN	Wireframe rotation about x, y and z axes. Triangular Prism.
Space	SPACE	ROT3D04SA	EXT	OPEN	Wireframe rotation. Triangular Prism. Surface area.
Space	SPACE	ROT3D04V	EXT	OPEN	Wireframe rotation. Triangular Prism. Volume.
Space	SPACE	ROT3D05	EXT	OPEN	Wireframe rotation about x, y and z axes. Trapezoidal Prism.
Space	SPACE	ROT3D05A	EXT	OPEN	Wireframe rotation. Trapezoidal Prism. Angle. Trig.
Space	SPACE	ROT3D05SA	EXT	OPEN	Wireframe rotation. Trapezoidal Prism. Surface area. Pythag.
Space	SPACE	ROT3D05V	EXT	OPEN	Wireframe rotation. Trapezoidal Prism. Volume.
Space	SPACE	ROT3D06	EXT	OPEN	Wireframe rotation about x, y and z axes. Square based pyramid.
Space	SPACE	ROT3D06EL	EXT	OPEN	Wireframe rotation. Square based pyramid. Edge length. Pythag.
Space	SPACE	ROT3D06SA	EXT	OPEN	Wireframe rotation. Square based pyramid. Surface area. Pythag.
Space	SPACE	ROT3D06SH	EXT	OPEN	Wireframe rotation. Square based pyramid. Slant height. Pythag.
Space	SPACE	ROT3D06V	EXT	OPEN	Wireframe rotation. Square based pyramid. Volume.
Space	SPACE	ROT3D07	EXT	OPEN	Wireframe rotation about x, y and z axes. Truncated square based pyramid.
Space	SPACE	ROT3D07A	EXT	OPEN	Wireframe rotation. Truncated square based pyramid. Angle. Trig.
Space	SPACE	ROT3D07SA	EXT	OPEN	Wireframe rotation. Truncated square based pyramid. Surface area. Pythag.
Space	SPACE	ROT3D07V	EXT	OPEN	Wireframe rotation. Truncated square based pyramid. Volume.
Space	SPACE	ROT3D08	EXT	OPEN	Wireframe rotation. Truncated rectangular based pyramid.
Space	SPACE	VIEWS01	EXT	OPEN	Wireframe rotation. Trapezoidal Prism. Front, plan and end elevations.
Space	SPACE	VIEWS02	EXT	OPEN	Wireframe rotation. Truncated square based pyramid. Front, plan and end elev.
Space	SPACE	BOXES01T	S6	SD	Fitting available space: boxes into boxes.
Space	SPACE	BOXES02T	S6	SD	Fitting available space: boxes into boxes: more ways.
Space	SPACE	BOXES03T	S6	SD	Using available space: boxes into boxes: space not used.
Space	SPACE	VIEWSM01	S6	SD	Wireframe rotation. 15 solids. Front, plan and end elevations.
Space	SPACE	VIEWSM02	S6	SD	Wireframe rotation. 6 two part solids. Front, plan and end elevations.
Space	SPACE	VIEWSM03	S6	SD	Wireframe rotation. 10 prisms. Front, plan and end elevations.
Space	SPIRALS	SPIREM	S4+	OPEN	Explore spirals with 120 iterations and three variables.
Space	SYMMETRY	LINESYM3	S4	SD	Line symmetry of plain shapes.
Space	SYMMETRY	SYMS1	S4	SD	Lines and order of rotation of plain shapes.
Space	SYMMETRY	SYMV01T	S4	SD	Line and rotational symmetry: sorting letters: Venn diagram.
Space	SYMMETRY	ROTA04	S4+	SD	Rotating shapes. (S4+) Dynamic diagrams from worksheet SHAPE04.
Space	SYMMETRY	ROTA04B	S4+	SD	Rotating shapes. (S4+) Dynamic diagrams from worksheet SHAPE04B.
Space	SYMMETRY	ROTA04C	S4+	SD	Rotating shapes. (S4+) Dynamic diagrams from worksheet SHAPE04C.
Space	SYMMETRY	ROTA04D	S4+	SD	Rotating shapes. (S4+) Dynamic diagram. Extra shapes.
Space	SYMMETRY	ROTAD	S4+	SD	Rotating numerals. (S4+) Dynamic diagram. Calculator digits.
Space	SYMMETRY	ROTALET	S4+	SD	Rotating letters. (S4+) Dynamic diagram. Input order of rotation and line sym.

Space	SYMMETRY	ROTATE09	S4+	OPEN	Rotate chosen polygon about centre: any angle: dynamic diagram.
Space	SYMMETRY	ROTATOR2	S5+	OPEN	Rotate chosen shape: any angle: input order of rotational symmetry.
Space	SYMMETRY	ROTATEM2	S6+	OPEN	Rotate chosen letter about any point: input lines of symmetry.
Space	SYMMETRY	ROTATEM3	S6+	OPEN	Rotate chosen shape about any point: input lines of symmetry.
Space	TAN	TANGRAF2	SX	OPEN	Tangent graphs: transforming: 1 variable, 2 functions.
Space	TAN	TANGRAF3	SX	OPEN	Tangent graphs (trends): transforming: 1 variable, 3 functions.
Space	TIME	CLOCK01	S4	OPEN	Twenty four to twelve hour times: active clock.
Space	TIME	TIMES1	S4	SD	Twenty four and twelve hour times.
Space	TIME	TIMES2	S4	SD	Bus timetable.
Space	TIME	TIMEDS1	S4+	OPEN	Calculating time differences: 24 hr clock.
Space	TRANSLATION	TRANSP0	S4	OPEN	Translate a quadrilateral using words and numbers: active display. First quad.
Space	TRANSLATION	TRANSP1	S4	OPEN	Translate a quadrilateral using words and numbers: active display. Four quad.
Space	TRANSLATION	TRANSP2	S4	OPEN	Translate quadrilaterals using directed numbers: active display.
Space	TRANSLATION	TRANSP3	S4	OPEN	Translate triangles using directed numbers: active display.
Space	TRANSLATION	TRANSP4	S4	OPEN	Translate quadrilaterals using directed numbers: sliding macro.
Space	TRANSLATION	TRANSP5	S4	OPEN	Translate a quadrilateral using directed numbers: sliding macro, 14 qu.
Space	TRANSLATION	TRANL1	S6+	OPEN	Translate using vectors: active display.
Space	TRANSLATION	TRANSL2X	S6+	OPEN	Translate quadrilaterals using vectors: animated graphics.
Space	TRANSLATION	TRANSIT00T	S6+	SD	14questions: animated translations.
Space	TRANSLATION	TRANSIT01T	S6+	SD	14 questions: animated translations recording answers.
Space	TRANSLATION	TRANSLATE	S6+	OPEN	Translate diagram using vectors: active display.
Space	TRANSLATION	TRANSLATE2	S6+	OPEN	Translate quadrilaterals using vectors: active display.
Space	TRANSLATION	TRANSLATE3	S6+	OPEN	Translate triangles using vectors: active display.
Space	TRIGONOMETRY	TRI01T	S5	SD	Naming sides of right angled triangles.
Space	TRIGONOMETRY	TRI02T	S7	SD	Placing sines and cosines.
Space	TRIGONOMETRY	TRI03T	S7	SD	Finding sin and cos values.
Space	TRIGONOMETRY	TRI05T	S7	SD	Using sin and cos values to find sides.
Space	TRIGONOMETRY	TRI06T	S7	SD	Finding tan value.
Space	TRIGONOMETRY	TRI07T	S7	SD	Using tan value to find side.
Space	TRIGONOMETRY	TRI10T	S7	SD	Using tan, sin and cos values to find sides.
Space	TRIGONOMETRY	TRI12T	S7	SD	Using tan, sin and cos values to find angles.
Space	TRIGONOMETRY	TRIG01T	S7	SD	Sine: finding side: hypotenuse as scale factor: similar triangles.
Space	TRIGONOMETRY	TRIG02T	S7	SD	Sine: finding side: hypotenuse as scale factor.
Space	TRIGONOMETRY	TRIG03T	S7	SD	Cosine: finding side: hypotenuse as scale factor: similar triangles.
Space	TRIGONOMETRY	TRIG04T	S7	SD	Cosine: finding side: hypotenuse as scale factor.
Space	TRIGONOMETRY	TRIG05T	S7	SD	Sine and Cosine: finding side: hypotenuse as scale factor.
Space	TRIGONOMETRY	TRIG06T	S7	SD	Cosine: finding side: hypotenuse as scale factor.
Space	TRIGONOMETRY	TRIG07T	S7	SD	Tangent: finding side: adjacent side as scale factor: similar triangles.
Space	TRIGONOMETRY	TRIG08T	S7	SD	Sine, cosine and tangent: finding sides.
Space	TRIGONOMETRY	TRI03TT	S7+	OPEN	Finding sin and cos values.
Space	TRIGONOMETRY	TRI05TT	S7+	OPEN	Using sin and cos values to find sides.
Space	TRIGONOMETRY	COSANG	S8	OPEN	Plot cosine value against angle. Active rotation and display.
Space	TRIGONOMETRY	SINANG	S8	OPEN	Plot sine value against angle. Active rotation and display.
Space	TRIGONOMETRY	TRI15T	S8	SD	3D problems.
Space	TRIGONOMETRY	TRI16T	S8	SD	3D problems.
Space	TRIGONOMETRY	TRI17T	S8	SD	3D problems.
Space	TRIGONOMETRY	TRI18T	S8+	SD	3D problems.
Space	TRIGONOMETRY	COSRT1	SX	OPEN	Cosine rule. Set angle 10 to 90 to pose questions. Interactive triangle.
Space	TRIGONOMETRY	COSRT2	SX	OPEN	Cosine rule. Set angle 0 to 180 to pose questions. Interactive triangle.
Space	TRIGONOMETRY	SINRT1	SX	OPEN	Sine rule. Set angle 20 to 160 to pose questions. Interactive triangle.
Space	TRIGONOMETRY	TRIANGLES3	SX	OPEN	Draw triangles using side lengths. Calculate angles to 1.d.p.
Space	TRIGONOMETRY	TRIGRAF01	SX	OPEN	Cosine and sine graphs: transforming: compare.
Space	TRIGONOMETRY	TRIGRAF02	SX	OPEN	Cosine and sine graphs: transforming: compare.
Space	VOLUME	VOLS1	S5	SD	Volume of cuboids.
Space	VOLUME	SPACES1	S5+	OPEN	Calculations involving cuboids.
Space	VOLUME	SPACES2	S5+	OPEN	Calculations involving right triangular prisms.
Space	VOLUME	3D2	S6	OPEN	Enlarge simple solids: input change in volume: twirl.
Space	VOLUME	VOLUME01	S6	OPEN	Interactive diagram: control lengths: total volume given.
Space	VOLUME	VOLUME02	S6	OPEN	Interactive diagram: control lengths: input volume.
Space	VOLUME	VOLUME03	S6	OPEN	Interactive diagram: rescaling for larger numbers: input volume.
Space	VOLUME	VOLUME04	S6	OPEN	Rescaling diagram for larger numbers: input volume in two units.
Space	VOLUME	ENVOL01T	S6+	SD	Calculate enlargements and volumes from diagrams: 15 questions.