

Summer Term 2022

Calculators and maths technology
for the exam season and beyond

OXFORD
EDUCATIONAL
Supplies



NEW!

 **MathsNet**

Online learning page 12

Technology that's perfect for teaching, proven for learning

Scientifics for Secondary • Graphics for A Level • Software emulators • Geometry sets • Exam packs • Engraving service

FIX PRICING WITH SALE OR RETURN • FORWARD ORDERING • EXTENDED CREDIT



ORDER BY 4.00PM FOR GUARANTEED NEXT DAY DELIVERY
www.studentcalculators.co.uk OR CALL 01869 344500

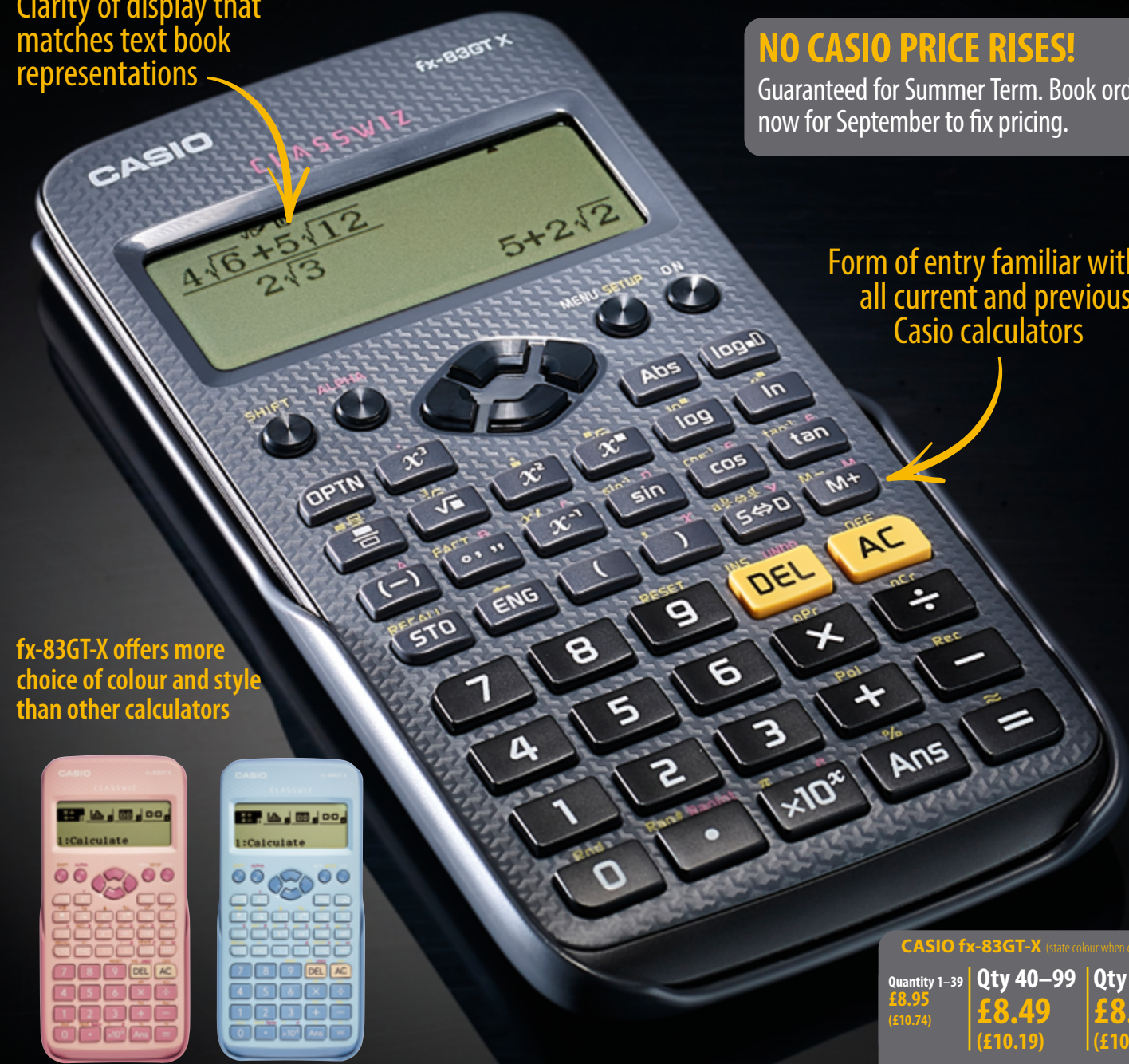
The Casio ClassWiz range

The UK's most popular scientific calculators, preferred by over 80% of schools.

CASIO fx-83GT-X

The nation's favourite! Casio scientific calculators are a proven aid to the teaching and learning of mathematics. A perfect match of functions to the current maths curriculums and ease of use, all at an affordable price, the GT-X range are the very best calculators you can offer your students. Supported by SOFTWARE EMULATORS, that are now FREE OF CHARGE, GT-X will enhance teaching and learning of mathematics at all levels.

Clarity of display that matches text book representations



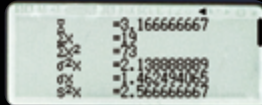
fx-83GT-X offers more choice of colour and style than other calculators



IMPORTANT: The default colour for us to ship is black. If you require blue and/or pink, please state clearly when ordering.

Functions unique to GT-X models include:

- Equivalent ratios
- Improved statistics – Quartiles
- Table of values for 2 functions rather than just a single function
- Statistics info now all shown on one screen



NO CASIO PRICE RISES!

Guaranteed for Summer Term. Book orders now for September to fix pricing.

Form of entry familiar with all current and previous Casio calculators

CASIO fx-85GT-X Solar

All the functions of the fx-83GT-X with SOLAR power

Quantity 1-39 £10.49 (£12.59)	Qty 40-99 £9.95 (£11.94)	Qty 100+ £9.75 (£11.70)
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ORDER 24 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)



NO CASIO PRICE RISES!

Guaranteed for Summer Term. Book orders now for September to fix pricing.

Support

Casio are the only brand with a dedicated product division for calculator training and support within the UK.

WE'RE HERE TO HELP! Any questions, call **OXFORD EDUCATIONAL** on **01869 344500** or visit education.casio.co.uk/products/gtx

Free Emulators!

Network licences available now!

Centrally installed with the number of simultaneous accesses you need (max 30 users).

FREE TO ALL UK SCHOOLS!

DOWNLOAD NOW AT

<https://education.casio.co.uk/emulators-oes>



Key features of using an emulator are:

- Adjustable screen sizes. Ideal for visually impaired students.
- Record key strokes on the emulator as "Key-log records", go back and edit saved logs as required.
- Automatically playback saved Key-logs
- Copy and paste the screen and Key-logs into Word to help create worksheets
- Emulators are licensed per user per year. The software may be installed locally or on the server.



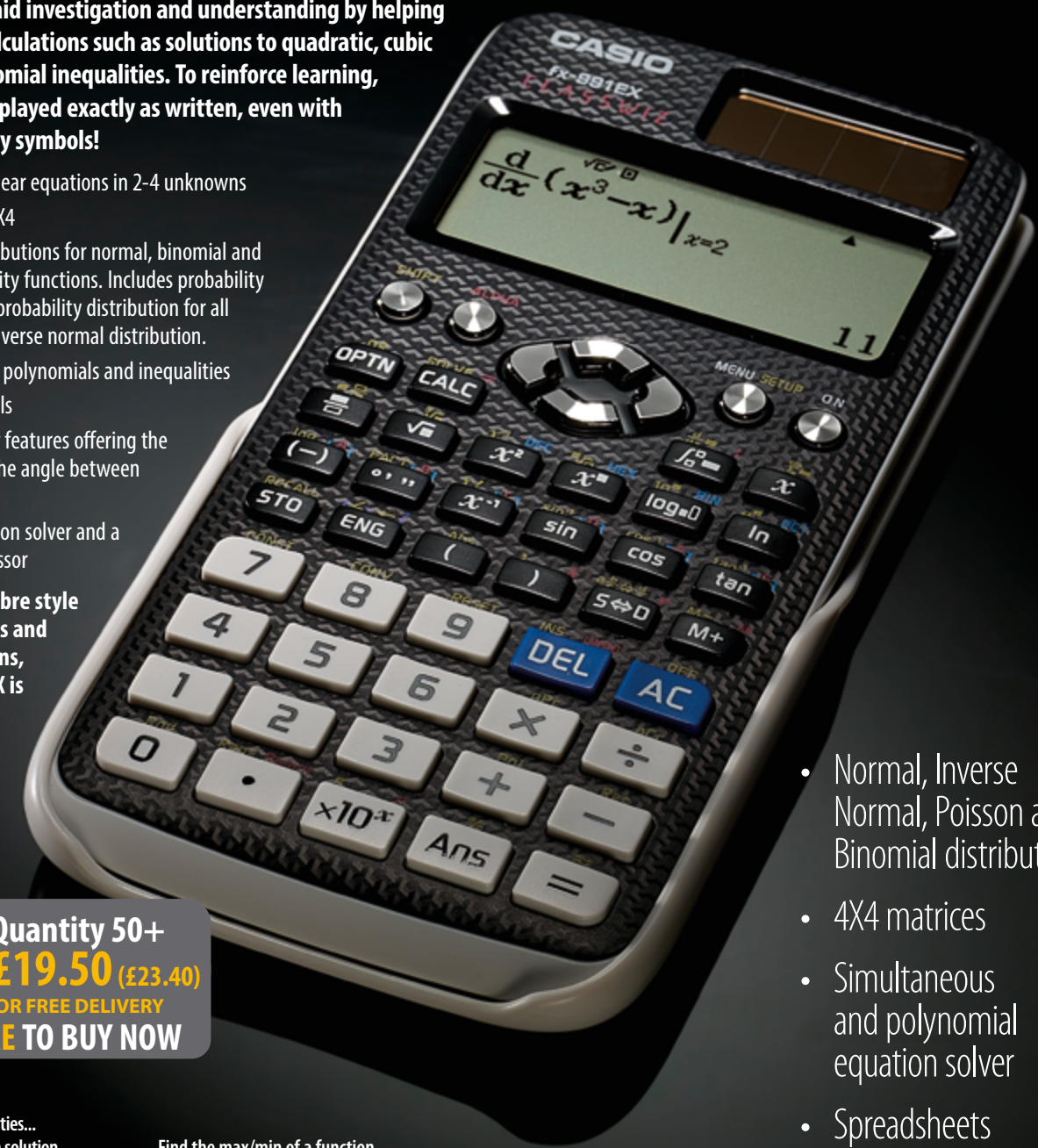
CASIO fx-991EX CLASSWIZ

An excellent choice for A level maths studies with many of the advanced features of a graphical calculator at an affordable price.

Stunning design and a high-resolution screen delivers more information, all in text book form! The advanced features and ease of use will aid investigation and understanding by helping with complex calculations such as solutions to quadratic, cubic or quartic polynomial inequalities. To reinforce learning, everything is displayed exactly as written, even with correct inequality symbols!

- Simultaneous linear equations in 2-4 unknowns
- Matrices up to 4x4
- Probability distributions for normal, binomial and Poisson probability functions. Includes probability and cumulative probability distribution for all functions, and inverse normal distribution.
- 2nd-4th degree polynomials and inequalities
- Riemann integrals
- Enhanced Vector features offering the ability to show the angle between two vectors.
- Enhanced equation solver and a super-fast processor

With its carbon fibre style case, metallic keys and advanced functions, the Casio fx-991EX is a pleasure to use and a joy to own!

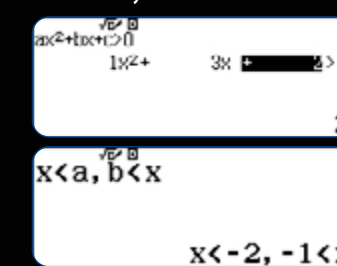


- Normal, Inverse Normal, Poisson and Binomial distributions
- 4x4 matrices
- Simultaneous and polynomial equation solver
- Spreadsheets

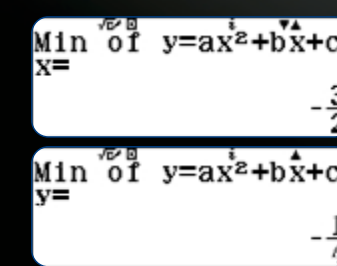
Quantity 1-49 £20.50 (£24.60)	Quantity 50+ £19.50 (€23.40)
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ORDER 13 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

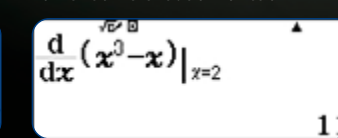
Solve quadratic inequalities... even the tricky 2-branch solution



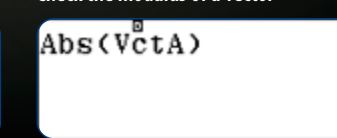
Find the max/min of a function



Find the gradient using the numeric differentiation function



Check the modulus of a vector



Free Emulators!

Network licences available now for all scientific models shown here! Centrally installed with the number of simultaneous accesses you need (max 30 users). FREE TO ALL UK SCHOOLS!



DOWNLOAD NOW AT <https://education.casio.co.uk/emulators-oes>



ACCESSORIES FOR MATHEMATICS

Prices in brackets include VAT.

GEOMETRY SETS

The Oxford Educational Supplies Geometry Set in a tin: Metal compass and dividers, 15cm rule, 180° protractor, 30° and 45° set squares, stencil, pencil, sharpener and rubber. All supplied in a robust tin.

Quantity 1-99 **£1.99** (£2.39)
Quantity 100+ **£1.79** (£2.15)
ORDER 140 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

Quantity 1-99 **£1.75** (£2.10)
Quantity 100+ **£1.49** (£1.79)
ORDER 168 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

BULK BUY PACKS

Item	Price
10 Bag of Compasses with pencil	£9.95 (£11.94)
120 Bag of Compasses with pencil	£34.95 (£41.94)
10 Bag of Rules, 30cm	£6.95 (£8.34)
120 Bag of Rules, 30cm	£19.95 (£23.94)

BAG O' BITS!

A bag of mathematical bits! A transparent, exam approved pencil case containing compass, pencil, sharpener, eraser, 180° protractor, 30cm rule. Components are supplied in the case ready for distribution or exam use.

Order **OES-BAGOBITS** Code:

Special Price
Box of 120
just **£159**
(£90.08)

BASIC CALCULATORS AND CLASS SETS

AURORA HC133

Robust handheld model with durable hard keys. Large numeric keypad with 8 digit LCD display.
Dimensions: 6.7cm x 11.3cm x 1.5cm.
[CLICK HERE TO BUY NOW](#)
from **£1.49** (£1.79)

HC133 Class Set

Gratnells box contains 30 HC133 calculators. Foam insert separates and protects each unit. Hard protective lid. Compatible with Gratnells storage systems.
[CLICK HERE TO BUY NOW](#)
£54.99 (£65.99)

AURORA HC102

The HC102 is the ideal calculator for teaching BODMAS logic, the 2 line display which shows both sum and answer and the parentheses keys make demonstrating the correct mathematical order of operations very easy. Also present is the handy '÷R' function which displays the quotient and remainder when used to perform division calculations.
Dimensions: 7.9cm x 12.7cm x 1.2cm.
[CLICK HERE TO BUY NOW](#)
Any Qty **£2.99** (£3.59)

HC102 Class Set

Gratnells box contains 30 HC102 calculators. Foam insert separates and protects each unit. Hard protective lid. Compatible with Gratnells storage systems.
[CLICK HERE TO BUY NOW](#)
£99.95 (£119.94)



STORAGE FOR CALCULATORS

As supplied with our calculator class sets (see p7), easy to store and to sanitise for future use, our Gratnells boxes are the convenient way store your calculators.

Available for all scientific and graphical models, the boxes are made from rigid, long lasting plastic and feature our 'Secure Stack' inner with 30 slots (15 for graphics) along with a lid. They are compatible with Gratnells racking that is commonly found in schools.

Any Qty **£23.95** (£28.74)
ORDER 11 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

SCIENTIFIC CALCULATORS – PERFECT FOR TEACHING, PROVEN FOR LEARNING!

Prices in brackets include VAT.

Oxford Geometry Set
See page 5
From just **£1.79** ea



AURORA

AX-595TV

Displays expressions in a textbook format, as written or viewed. Factorial, Permutations and combinations, random number generator, two-variable stats, function evaluation table and much more! LCM, GCD and quotient/remainder divisions. Robust design with hard keys and a slide on plastic case with a 3 year warranty.

Quantity 1-39 **£8.35** (£10.02)
Qty 40-99 **£7.95** (£9.54)
Qty 100+ **£7.45** (£8.94)
ORDER 32 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

FREE EMULATOR for distance teaching.

aurora-europe.co.uk/emulators.html
All emulators compatible with Zoom, Teams and Google Meets



SHARP EL-W531TL WriteView

Replaces the EL-W531B to continue the tradition of reliability and functions ideally suited to GCSE studies. Show fractions, square roots, surds and logarithms to any base including base, powers, reciprocals, trigonometric ratios, hyperbolic functions, etc., just as they are written, in textbook layout. Additionally there are powerful statistical analysis features, random number generator and the ability to work in different base number arithmetic.

Quantity 1-39 **£7.45** (£8.94)
Qty 40-99 **£7.15** (£8.58)
Qty 100+ **£6.95** (£8.34)
ORDER 37 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

FREE EMULATOR for distance teaching.

sharp-calculators.com/en/127-downloads/software
All emulators compatible with Zoom, Teams and Google Meets



SHARP EL-531TH

The latest in a long and successful line of EL531 calculators. Replaces the previous models EL531W and EL531XB with identical functions and a more modern design. A calculator perfectly suited to GCSE maths studies and offering superb value for money!

One Price Any Qty **£4.75** (£5.70)
ORDER 57 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)



OXFORD OES613

Features a two line display with recall and edit functionality and algebraically correct form of entry. A scrolling top line shows the complete expression whilst the solution is visible below. Functions include: Factorials, Permutations and combinations. Random number. Fractions. Polar/rectangular conversions. Stats with data editor. Two-variable regression analysis. Robust design with a hard, slide-on case.

SPECIAL NOTE: Due to delays in production in China we may need to substitute our OES613 with the Aurora AX582. Spec is identical and we will inform you before shipping.

Quantity 1-29 **£4.19** (£5.03)
Qty 30+ **£3.99** (£4.79)
ORDER 63 FOR FREE DELIVERY
[CLICK HERE TO BUY NOW](#)

Free emulators!

Available for most models shown, the software emulates the operation of the calculators so that a large, interactive image of the calculator can be projected onto your whiteboard. Saves time in explaining keystrokes and aids understanding by practical explanation on the calculator.

Key features of using an emulator are:

- Adjustable screen sizes. Ideal for visually impaired students.
- Record key strokes on the emulator as "Key-log records", go back and edit saved logs as required.
- Automatically playback saved Key-logs
- Copy and paste the screen and Key-logs into Word to help create worksheets

DOWNLOAD NOW To download, go to the QR code/web address shown with the appropriate calculator.



Perfect for use with Google Meets, Zoom and Msoft Teams

YEAR 7 PACKS NOW WITH 30cm RULE FREE OF CHARGE!

Effectively and quickly sanitise our heavy-duty plastic zip cases between use, this is a safe and convenient way to ensure your pupils always have the right equipment for their classes. Each pack includes a calculator, geometry set in a tin and an exam approved pencil case, all packed in an A4 plastic project case.



Heavy duty vinyl cases easy to sanitise for re-use in exams or classroom.

Model	Order Code	Qty 1-29	Qty 30+	
CASIO fx-83GTGX pencil case and geometry set	FX-83GT-X-EP <small>Available in black, blue and pink. State colour when ordering</small>	£10.59 (£12.70)	£9.95 (£11.94)	CLICK HERE TO BUY NOW
CASIO fx-85GTGX pencil case and geometry set	FX-85GT-X-EP	£12.15 (£14.58)	£11.59 (£13.90)	CLICK HERE TO BUY NOW
CASIO fx-991EX pencil case and geometry set	FX-991EX-EP	£22.35 (£26.82)	£21.45 (£25.74)	CLICK HERE TO BUY NOW
AURORA AX-595TV pencil case and geometry set	AX-595TV-EP <small>Available in black and pink. State colour when ordering</small>	£9.99 (£11.98)	£9.49 (£11.39)	CLICK HERE TO BUY NOW
OES613 pencil case and geometry set	OES613-EP	£5.85 (£7.02)	£5.65 (£6.78)	CLICK HERE TO BUY NOW
SHARP EL-W531TL pencil case and geometry set	EL-W531TL-EP	£8.99 (£10.79)	£8.75 (£10.50)	CLICK HERE TO BUY NOW
SHARP EL-531TH pencil case and geometry set	EL-531TH-EP	£6.39 (£7.66)	£5.99 (£7.18)	CLICK HERE TO BUY NOW

CLASS SETS

Easy to store and to sanitise for future use, our Scientific Class Sets are the convenient way to buy calculators for exam or everyday use. Engrave them to differentiate from pupil calculators at little extra cost. Supplied in Gratnells boxes with 'Secure Stack' inner with 30 slots and a lid, ready to use, as shown aside. No unpacking, no waste!

Engrave 4 lines of text on the back of each calculator in the set for just **£20** - VAT SAVE £10



Model	Standard	Engraved	
CASIO fx-83GTGX class set of 30 with storage box <small>Black, pink and blue available. Please specify.</small>	£279.95 (£335.94) Order Code: FX-83GT-X-SET	£299.95 (£359.94) Order Code: FX-83GT-X-SET LASER4	CLICK HERE TO BUY NOW
CASIO fx-85GTGX class set of 30 with storage box	£324.95 (£389.94) Order Code: FX-85GT-X-SET	£344.95 (£413.94) Order Code: FX-85GT-X-SET LASER4	CLICK HERE TO BUY NOW
CASIO fx-991EX class set of 30 with storage box	£619.95 (£743.94) Order Code: FX-991EX-SET	£639.95 (£767.94) Order Code: FX-991EX-SET LASER4	CLICK HERE TO BUY NOW
EL-W531TH CLASS SET class set of 30 with storage box	£239.95 (£287.94) Order Code: EL-W531TH-SET	£259.95 (£311.94) Order Code: EL-W531TH-SET LASER4	CLICK HERE TO BUY NOW
EL-531TH CLASS SET class set of 30 with storage box	£159.95 (£191.94) Order Code: EL-531TH-SET	£179.95 (£215.94) Order Code: EL-531TH-SET LASER4	CLICK HERE TO BUY NOW
OES613 CLASS SET class set of 30 with storage box	£129.95 (£155.94) Order Code: OES613-SET	£149.95 (£179.94) Order Code: OES613-SET LASER4	CLICK HERE TO BUY NOW
AX-595TV CLASS SET class set of 30 with storage box <small>Black and pink available. Please specify.</small>	£239.95 (£287.94) Order Code: AX-595TV-SET	£259.95 (£311.94) Order Code: AX-595TV-SET LASER4	CLICK HERE TO BUY NOW



WYNGS^o Cases and Screen Protectors for fx-CG50 with exclusive EXTENDED WARRANTY!

Introducing our new protection to keep your investment safe.

With our zip-up case and glass screen protector fitted we can guarantee that your graphical calculator will be completely safe or it will be replaced with new FREE OF CHARGE!

For the first time ever, you have complete peace of mind - accidental damage replacement included, from smashed screen to leaky battery damage!



Product / Order Code	One price, any quantity	
Hard shell case for CG50 CALCCASE1	£8.95 (€10.74)	CLICK HERE TO BUY NOW
Screen protector for CG50, pack of 2 SCREENPRO	£4.95 (€5.94)	CLICK HERE TO BUY NOW

INTRODUCTORY OFFER

Buy the hard shell case and screen protector together for

JUST £11.95 (€14.34)
[CLICK HERE TO BUY NOW](#)

Terms and Conditions

In the event of a claim and a brand new replacement being required, we will require photographic evidence of the damage and showing that the case and screen protector were in use. This extended warranty is in addition to our "No return, return" special guarantee (see bottom of back page) and runs from the date of purchase of the calculator. This is in addition to the manufacturers warranty and your statutory rights.

GUARANTEED NEXT DAY DELIVERY

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk



IN-HOUSE LASER ENGRAVING SERVICE WITH HIGH QUALITY AND FAST DELIVERY!



Secure your school stocks of calculators by selecting one of the distinctive colours of calculator and then engrave with school name, department details or even sequential serial numbers.

For pupils, we can engrave individual names. Everything is done in-house so as not to affect our 24 hour delivery promise.

THE COST IS VERY REASONABLE!

Since our pricing is generally more than 20% lower than retailers such as Tesco, Sainsbury, Ryman and WHSmith you can engrave the calculators purchased from us and the total cost will still be less than retail price in most cases.

The benefits are:

Exam eligibility – Particularly in the case of graphics, JCQ and awarding body guidelines are confusing! Marking eligible models takes away any chance of error, either by pupil or invigilator.

Crest or logo and 2 lines of text on the case or back

Just £1.50 +VAT per calc

ORDER CODE: LASER2



Standardisation – Ensure all pupils have the appropriate technology by ordering centrally and marking calculators.

Economy from security! – No more disputes of ownership where identical products are owned by school and pupils.

Ownership – Pupils will value a personalised item and take more care of it.

Serial numbering – We can sequentially number calculators if they are for your own stock allowing accurate inventory control.

School branding – Help to foster pride in your organisation and in mathematics by engraving your logo and department details.

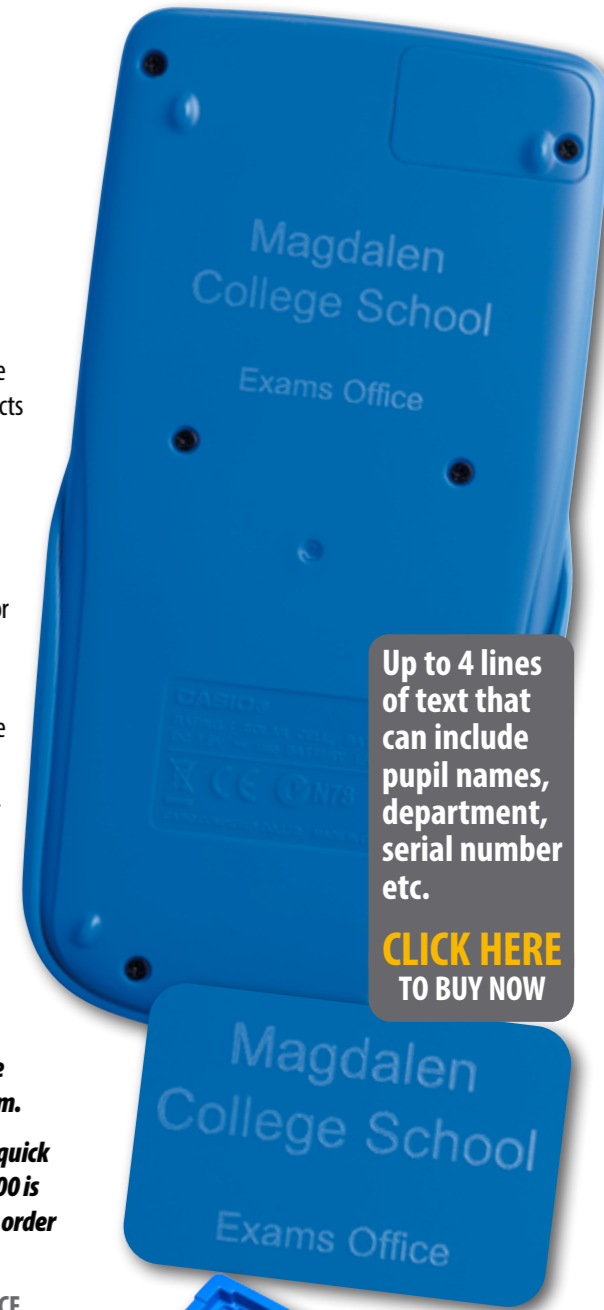
Please note: Some logos do not reproduce well! We will advise suitability upon receipt of your instructions.

How to order:

We simply need to know your choice of calculator, where you would like the engraving and what you would like engraving, preferably in electronic form.

We love to speak to our customers so a quick 'phone call of 2 minutes to 01869 344500 is ideal. Alternatively, an email or school order with print details attached is fine.

WE ARE DETERMINED THAT THIS SERVICE WILL BE QUICK, SIMPLE AND INEXPENSIVE. PLEASE CALL NOW OR MENTION ENGRAVING AT THE TIME OF ORDERING IT WILL TAKE JUST A FEW MINUTES TO ARRANGE!



Up to 4 lines of text that can include pupil names, department, serial number etc.

[CLICK HERE TO BUY NOW](#)

EXAM SETS

Easy to store and to sanitise for future use, our Scientific Class Sets are the convenient way to buy calculators for exam or everyday use. Engrave them to differentiate from pupil calculators at little extra cost. Supplied in Gratnells boxes with 'Secure Stack' inner with 30 slots and a lid, ready to use, as shown aside. No unpacking, no waste!



JUST £20 to engrave the entire class set!
See page 7 for product details and pricing

GUARANTEED NEXT DAY DELIVERY

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk



GRAPHIC CALCULATORS – APPROVED FOR USE IN ALL PUBLIC EXAMINATIONS, INCLUDING IB

Prices in brackets include VAT.

CASIO fx-CG50

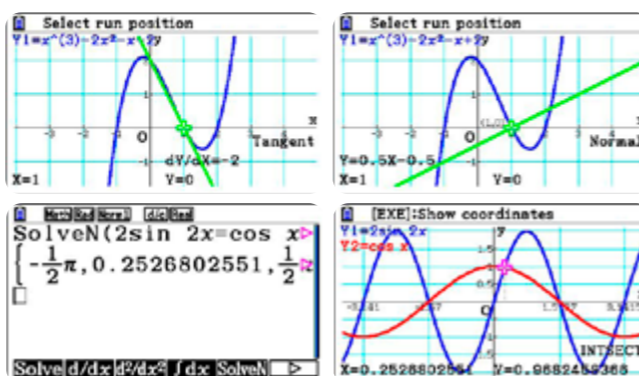
The current A-level has a greater emphasis on problem solving, modelling and reasoning. This means that students have to understand the mathematical concepts in depth and how they are linked.

The Casio fx-CG50 aids understanding and enables problems to be addressed that would be impractical or inefficient to tackle without it.

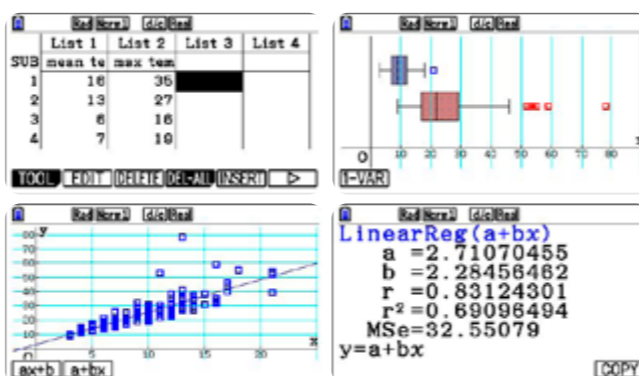
A portable and dependable device, accessible anytime, anywhere!

- An intuitive tool that enables visualisation of maths, helping students to form conceptual understanding and discover links
- Powerful computation functionality beyond that found on even advanced scientific calculators
- fx-CG50 is accessible immediately – no laptops or computer rooms need to be booked
- fx-CG50 can be used in the exam – unlike any other type of technology
- Teacher support includes a free software emulator, free training and free ready-made learning resources
- 3D graphing for Further Maths
- Approved for use in GCSE, AS/A Level, Standard Grade, Higher Grade and Advanced Higher Grade examinations and all IB courses and examinations.

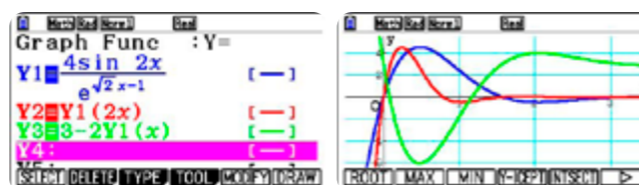
Explore graphs. Solve equations. Link the graphs and equations.



Learn how to interpret data diagrams, and simplify calculation of statistics. Import and use the large data set.



Check answers in exams – even the graphical questions. This calculator is fully approved for use in exams.



FREE! Update to OS3.5
education.casio.co.uk/os-files/cg50



- 2 exam modes: UK exam mode makes it easy to check that the calculator has been cleared of data for UK examinations. IB exam mode is still available for DP examinations.



- OS3.5 Includes the latest Python STEM subjects.

New add-ins for FREE download:

- 3D Graphing
- Physium app with periodic table and physical constants
- Picture plot for modelling
- Probability simulations



See page 8 for new protective case and additional warranty benefits

SPECIAL SCHOOL'S PRICING

Quantity 1–20 **£73.95** (€88.74)
Qty 20+ **£69.95** (€83.94)

ORDER 4 FOR FREE DELIVERY

CLICK HERE TO BUY NOW



Free of Charge Software Emulator Licenses:

Project a large facsimile of the fx-CG50 via your data projector and use on your IWB and Perfect for use in distance learning. Excellent for instruction on use, screen grabs for creating worksheets and following step-by-step calculations.

We are able to offer UK schools one year single or network licenses completely free of charge. Download now at:

<https://education.casio.co.uk/emulators-oes>



IMPORTANT NOTE: This offer is only available to bona-fide UK schools who have not purchased a trial pack or CG50 previously. Trial packs are not available on our website and must be ordered by school purchase order, email or phone.

TEACHER TRIAL PACK. If you are considering using the CG50 graphical calculator in your teaching, we are delighted to offer you a very special trial edition, EXCLUSIVE TO OXFORD EDUCATIONAL. This pack contains everything to get you started quickly and easily. It will allow you to discover new approaches to teaching mathematics in just a few minutes.

Each teacher package includes:

One Casio fx-CG50, the latest colour graphic and the most popular in the UK.

A 'Quick Start Guide' to get you using the calculator efficiently within a few minutes.

A 'Getting Started Guide' that builds upon your experience and addresses directly teaching of new A level topics using the fx-CG50.

Free classroom support including the emulator for your whiteboard, video resources, training and much more!

We have a very limited quantity of fx-CG50s for this offer so please respond promptly to avoid disappointment.

To take up the offer call now on 01869 344500 or email sales@oxford-educational.co.uk

We do not need a purchase order but if your school does you can email or telephone the order or order number to us.

This offer includes a link to obtain a free one year site licence for emulators for your maths classrooms and free training on the use of fx-CG50 in teaching the A level mathematics syllabus.

STRICTLY LIMITED TO TWO PER SCHOOL
just **£73.95** +VAT
Engraving FREE OF CHARGE!

GUARANTEED NEXT DAY DELIVERY

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk



GUARANTEED NEXT DAY DELIVERY

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk



NEW FROM OXFORD ED!

Oxford Educational rarely introduce new products because we only sell products that we believe can positively impact the teaching and learning of mathematics and there are very few of them. We believe MathsNet fits the bill very well and offers some unique features to help improve learning! Designed by teachers for teachers and refined over many years, MathsNet is entirely up to date. For example, MathsNet offers the last 4 years of Edexcel questions amongst 11,745 pages of interactive resources!

Unique features include:

- The ability to follow step-by-step solutions to problems one click at a time allowing hints before moving on!
- Variables in the same equation can easily be changed, keeping the same question but allowing multiple practice.
- Drag and drop algebraic steps to place them in the correct order.

A terrific teacher resource covering all UK awarding bodies syllabuses, please take a further look at www.studentcalculators.co.uk/mathsnet/

An invaluable resource for both teachers and students.

MathsNet A-Level

MathsNet A level

Covers all UK awarding bodies syllabuses and with nearly 8,000 pages of A level content, including the last 4 years of Edexcel questions and past papers.

Many of the pages are interactive and encourage individual learning with from all Boards. Upload class lists and individual student performance is tracked, work marked and assessed automatically online.

A complete assessment package is an integral part of MathsNet. This allows students to record their progress on certain pages and teachers to maintain records of their student progress and use it for diagnosis, feedback and help. In addition teachers can use the site to create homework tasks along with hints and deadlines, all of which is marked on-line.

Suitable for all exam boards and your choice can be set as the default.

MathsNet GCSE

GCSE Maths Online

Currently 3890 pages of content covering Foundation and Higher Level. Ideal for student self tuition, revision, testing and teacher demonstrations.

Fully-worked Exam Questions based on exam papers from all of the awarding bodies. Choose your syllabus and which questions you require. A display will show you how many questions you have selected, their total worth in marks and the total time you should spend on them. Print out your own selection together with a mark scheme.

897 Online Tests - offering online testing and automatic assessment!

A terrific management tool and resource for both teachers and pupils.

Suitable for all exam boards and your choice can be set as the default.

Take a further look at www.studentcalculators.co.uk/mathsnet/

STUDENT TESTIMONIALS:

"This site is soooooo helpful and informative, and contributed to me going from a E to a A in my AS Levels"

"This is truly wicked. I wasn't able to do my h/w let alone exam questions! NOW I can-thanks to the steps and questions given by Mathsnet!! Thanks a million."

"Your site is brilliant, more true and false would be appreciated. and more speed games like the wagon game. we have learnt lots. please email us back. your loyal fans forever x"

"I have been using the interactive AS and A2 website regularly since my C1 exam. The worked

exam questions have extremely helpful and I owe my success to this website."

"Just want to say what a wonderful job you have done here. It has helped me so much in doing my A Levels, in my first year and doing further maths, got As in January on C1 and C2 and to be honest a lot of this is down to this site as it is so easy to learn from. Anyway thanks again for the amazing site, keep up the good work :)"

"This site has been invaluable to me through previous years of A level and further more important in the next few months before my final exams."

Place algebraic steps (by drag and drop) in logical order to form a deductive proof

- Let a and b be two even numbers:
- therefore a = 2m where m is an integer
- and b = 2n where n is an integer
- a + b = 2m + 2n
- which is an even number
- Add a and b:
- therefore a + b is an even number
- Factorise:
- a + b = 2n + 2m

Follow step-by-step solutions to algebraic problems

Express $f(x)$ in partial fractions, where $f(x) = \frac{x}{(x-7)(x-6)}$

$$\frac{x}{(x-7)(x-6)} = \frac{A}{x-7} + \frac{B}{x-6}$$

$$x = A(x-6) + B(x-7)$$

$$x = Ax - 6A + Bx - 7B$$

$$x = (A+B)x - 6A - 7B$$

$$x = 7A - 6A - 7B$$

$$x = A - 7B$$

$$A = 7 + 7B$$

$$f(x) = \frac{7}{x-7} + \frac{-6}{x-6}$$

Interactive statistical diagrams such as box and whisker plots

Draw a box plot to show these data
63, 121, 183, 150, 108, 132, 170.

min = 63
max = 183
median = 132
LQ = 108
UQ = 170

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Technology that's perfect for teaching, proven for learning

A-level mathematics places great emphasis on problem solving, modelling and reasoning. Students must understand and link mathematical concepts in depth, as well as being able to process mathematically.

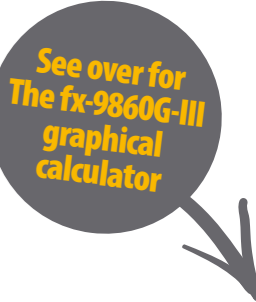
"The use of technology, in particular mathematical and statistical graphing tools and spreadsheets, must permeate the study of AS and A level mathematics." DFE content specification

The benefits of hand held technology are well established and proven to help learning. Casio graphical calculators will aid understanding of the entire syllabus, all from a single personal device.

Examples using CASIO CG-50

Calculate binomial and normal probability.

- Probability between two values
- Graph normal distribution
- No need to standardise the normal distribution
- Calculate inverse binomial and inverse normal



Examples using CASIO fx-9860G-III

Explore graphs. Solve problems.

- Find gradients, tangents and normals
- Find turning points and solve intersections

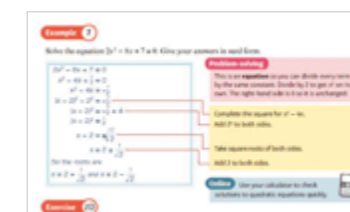
Four screenshots showing the calculator's graphing capabilities. The first two show a parabola $y = x^2 - 2x^2 - x + 2$ with a tangent line. The last two show the same parabola with a normal line and the intersection point of two lines.

Four screenshots showing the calculator's statistical functions. The first two show binomial probability calculations for different parameters. The last two show normal distribution calculations, including finding the area under the curve and the inverse normal function.

All graphical calculators shown are approved for use in public examinations.

Great for quickly checking answers!

Textbooks and resources from Hodder, Pearson, Oxford University Press and Cambridge University Press have plentiful videos, worksheets and teacher support linked through their e-textbooks.



EXPLORE CALCULUS

Evaluate the derivative at a point. Draw the tangent and normal to the curve, showing the equation. Evaluate integrals and show the shaded area.

<https://education.casio.co.uk/products/cg50>



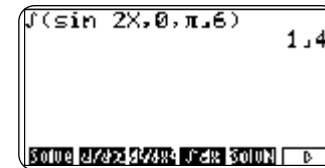
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CASIO fx-9860G-III

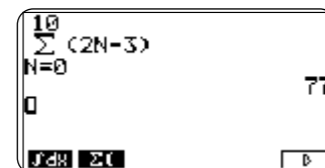
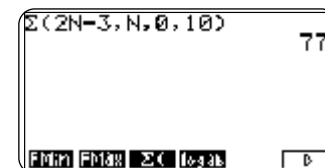
The fx-9860G-III features a natural, text book display making it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook.

Take a look at the impact on understanding of integrals and sums

Old style graphical calculator display



New style fx-9860G-III display

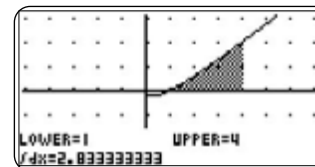


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- Vector calculation (products, angle, magnitude)
- Geometry drawing
- Spreadsheet capability
- Examination mode

IB EXAM APPROVED. fx-9860G-III's shipped by OES have the special operating system installed that is approved for use in IB exams.

Explore area under a curve, linking to definite integration.



$$\int_1^4 x - \sqrt{x} dx = \frac{17}{6}$$

Create spreadsheets on the fx-9860G-III. Here we investigate the approximation of a derivative by a chord

F(x)	A	B	C	D
1	0	1	0.5	
2	$x^2 + 0.5x$	1.5		
3	$F(x)$	1		
4	$F(x) + 0.5$	2.25		
5	$F(x)$	2.5		

F(x)	A	B	C	D
1	0	1	0.5	
2	$x^2 + 0.5x$	1.5		
3	$F(x)$	1		
4	$F(x) + 0.5$	2.25		
5	$F(x)$	2.5		

Calculate inverse probability distributions, including binomial for hypothesis testing.

Inverse Binomial
Data :List
List :List2
Numtrial:10
P :0.6
Save Res:Lists
Execute
None LIST

Inverse Binomial
1 | 0 | 8
2 | 1 | 9
3 | 2 | 9

The latest in a successful line of fx-9860G calculators offering a solid introduction to advanced calculators and suitable for mathematics A level studies. USB connection now allows quick and easy O/S updates, data transfer for uploading standardised lists and screen grabs for use in worksheets. Enhanced by a faster processor and a modern design, the fx9860G-III is the perfect introduction to graphing technology.

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- Calculate integrals between roots and intersections of graphs
- Import data by drag and drop
- 3D graphing for further maths

See pages 10 and 11 for full details

A BRIGHT FUTURE...

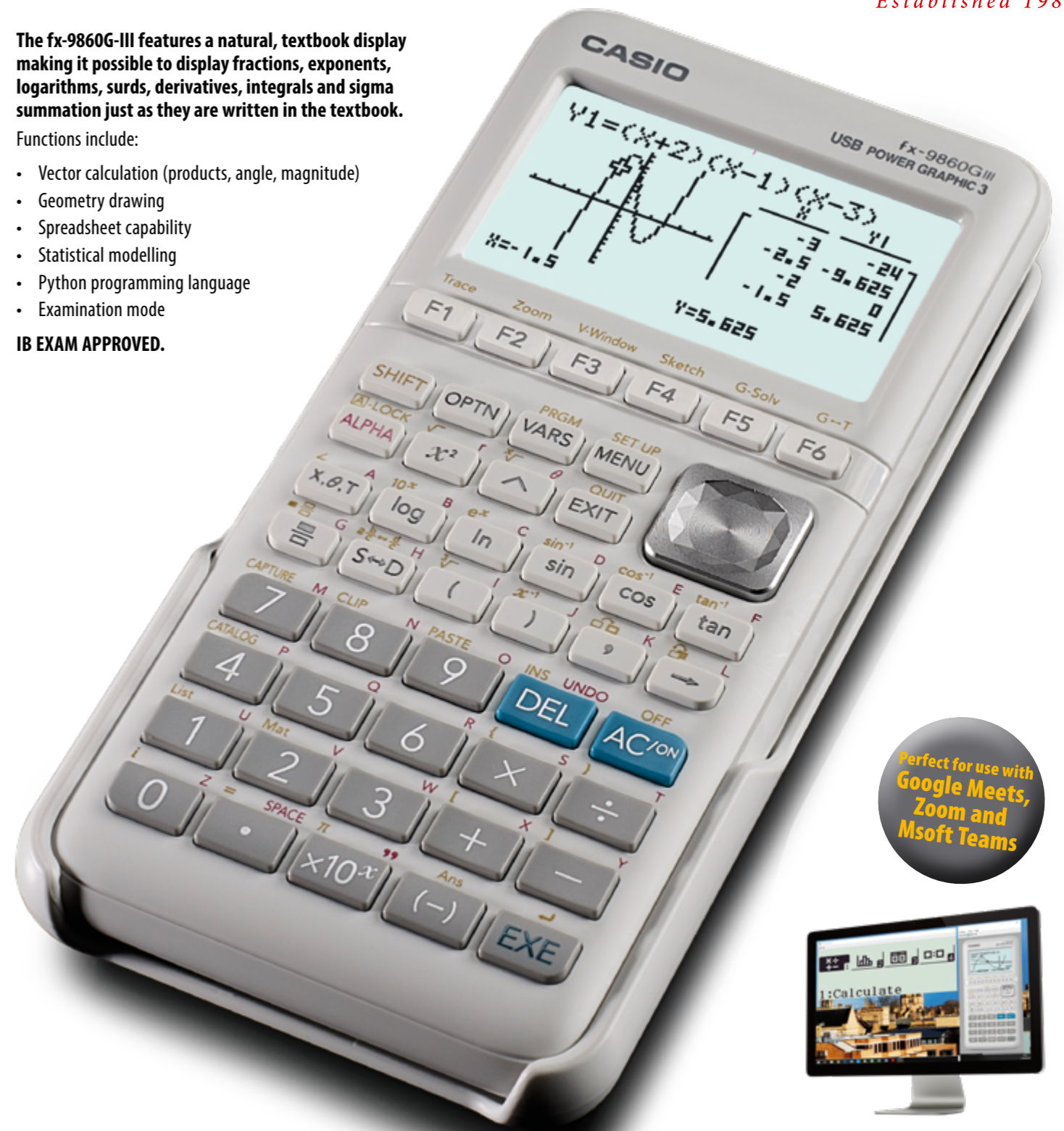
Take a clear view of the future of learning mathematics with our graphical calculators and discover the benefits of this engaging technology...

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Functions include:

- Vector calculation (products, angle, magnitude)
- Geometry drawing
- Spreadsheet capability
- Statistical modelling
- Python programming language
- Examination mode

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Nspire™ CX II-T has been developed through sound classroom research which shows that **linked multiple representations are crucial in development of conceptual understanding.** Nspire™ CX II-T provides simultaneous, dynamically linked representations of graphs, equations, data and verbal explanations, such that a change in one representation is immediately reflected in the others.

In addition to the flexibility offered by Nspire™ CX II-T's menu-driven interface and built-in document structure, this model is enhanced by a backlit colour screen onto which images can be

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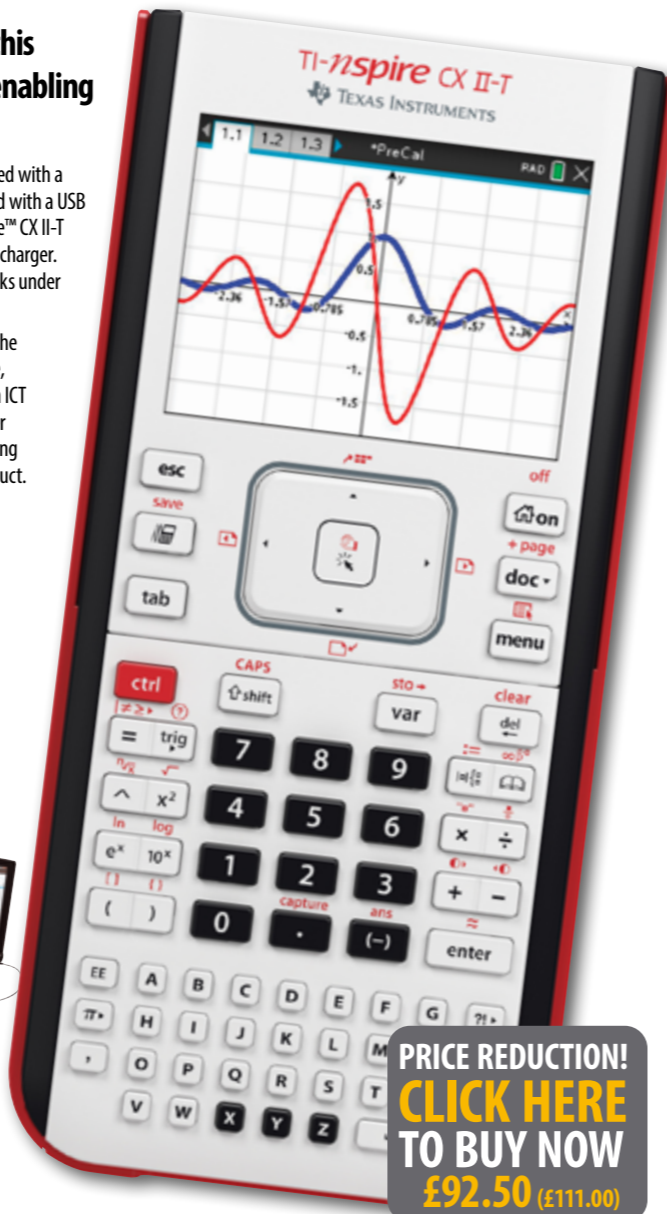
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This is a new, updated version in the TI84 family that retains the familiar style of operation whilst adding features and functions appropriate for our modern syllabuses. This new model offers Python programming language and a host of new features and functions including:

- Real and complex calculation results are calculated with 14-digit accuracy and displayed with 10 digits and a two-digit exponent
- Draws 10 functions, 6 curves in parameter form, 6 curves in polar form and 3 recursively defined sequences
- Up to 10 functions can be defined, saved, drawn and analysed simultaneously
- In the mode of sequence graphs, the sequence can be displayed as a time graph or as a phase diagram
- Seventeen interactive zoom features
- Numerical evaluations are shown in table format for all graph modes
- Interactive analysis of function values, zeros, max values, min values, integrals and derivatives
- Eight different graph styles make it easy to distinguish between the different graphs that are drawn simultaneously
- The matrix functions include inverse, determinant, transpose, extended matrix, reduced row step shape and elementary row operations; matrices can be converted to lists and vice versa
- List-based, one- and two-variable analysis: logistic, sinusoidal, median-median, linear, logarithmic, exponential power, square, cubic and fourth degree regression models
- Three statistical definitions for scatter charts, xy charts, histograms, common and modified box charts and normal distribution plots
- Advanced statistical functions including 10 functions for hypothesis tests, seven functions for confidence intervals and one-way analysis of variance (ANOVA)
- Fifteen probability distribution functions, including normal, Student-t, chi-square, binomial and Poisson
- Interactive editor for equation solution allows numerical solution of various variables in an equation
- Eleven regression model calculations
- Includes Python programming capabilities

Photographs may be imported and graphs modelled to them. Grid lines may be added to graphs to improve accuracy of interpretation.

Supplied complete with rechargeable battery and charger, eliminating concerns over availability of batteries. This new model is PC compatible allowing files, screen shots of graphs and data lists to be transferred and used in pupil work sheets or homework. USB cable and software is included. Option accessories include a 10 station charging dock for classroom use, CBL 2 datalogging interface and a library of user-developed apps.



The Python programming language is integrated into this familiar graphing calculator and makes it easy to use across all STEM subjects.

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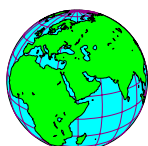
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