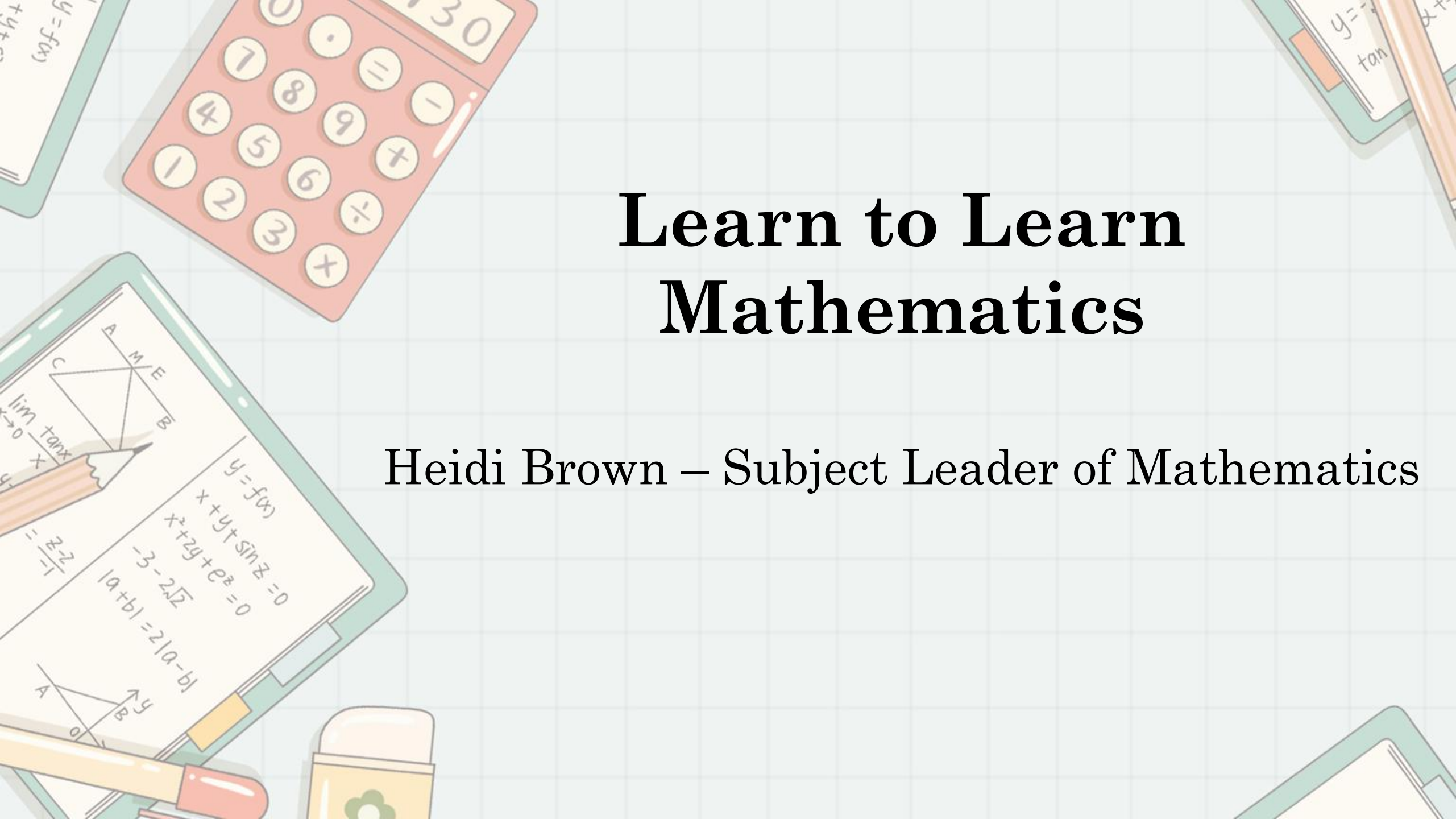
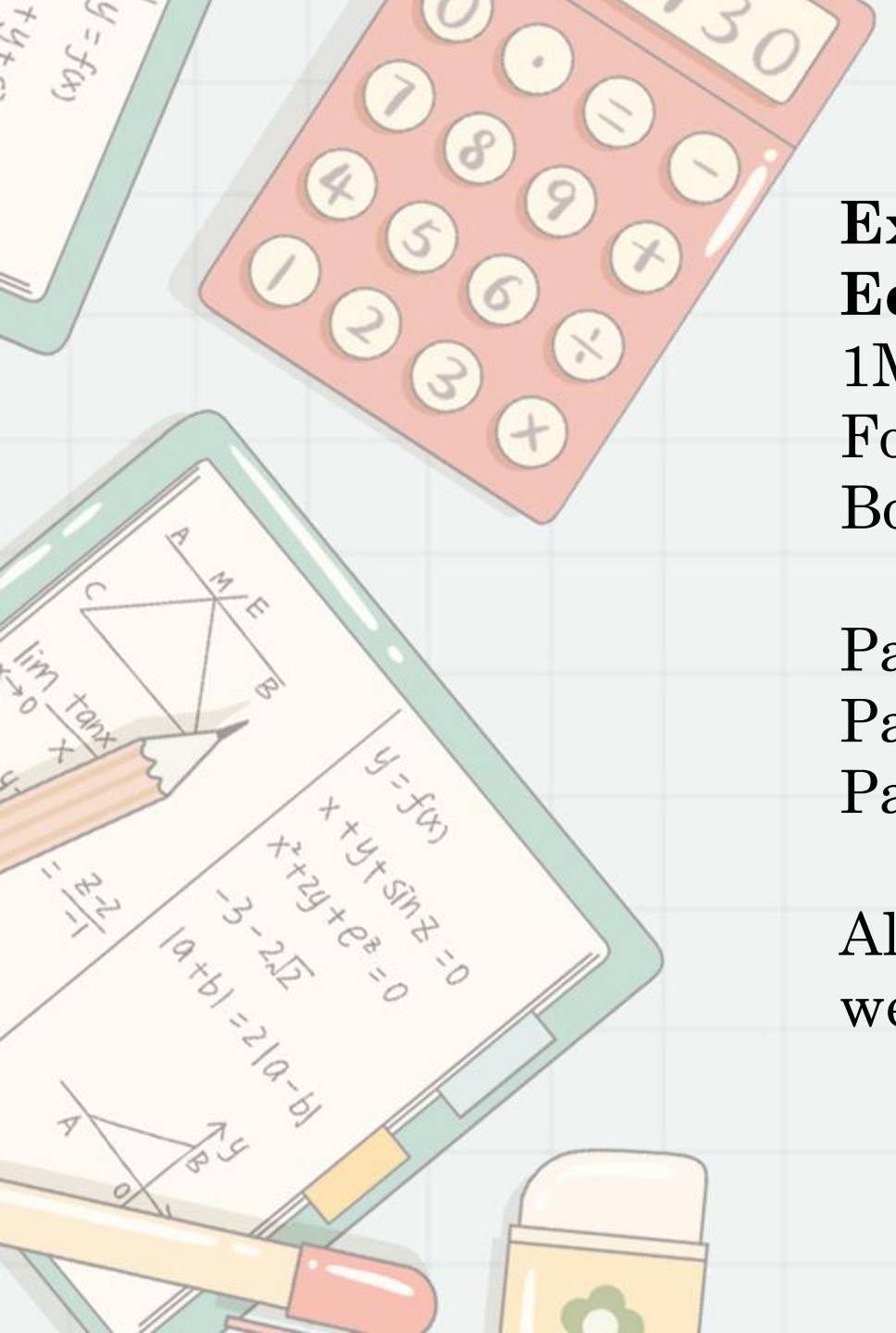


Learn to Learn Mathematics

Heidi Brown – Subject Leader of Mathematics



Exam board:
Edexcel
1MA1 GCSE Maths is studied either at Higher or Foundation level.
Both tiers of entry consist of 3 papers:

Paper 1 - Non–calculator
Paper 2 - Calculator
Paper 3 – Calculator

All 3 papers are 90 minutes long and carry equal weighting (80 marks each, total of 240 marks)

Tier	Topic area	Weighting
Foundation	Number	22 - 28%
	Algebra	17 - 23%
	Ratio, Proportion and Rates of change	22 - 28%
	Geometry and Measures	12 - 18%
	Statistics & Probability	12 - 18%
Higher	Number	12 - 18%
	Algebra	27 - 33%
	Ratio, Proportion and Rates of change	17 - 23%
	Geometry and Measures	17 - 23%
	Statistics & Probability	12 - 18%

Heaviest weighting

Heaviest weighting

Current structure of Year 10/11 groups:

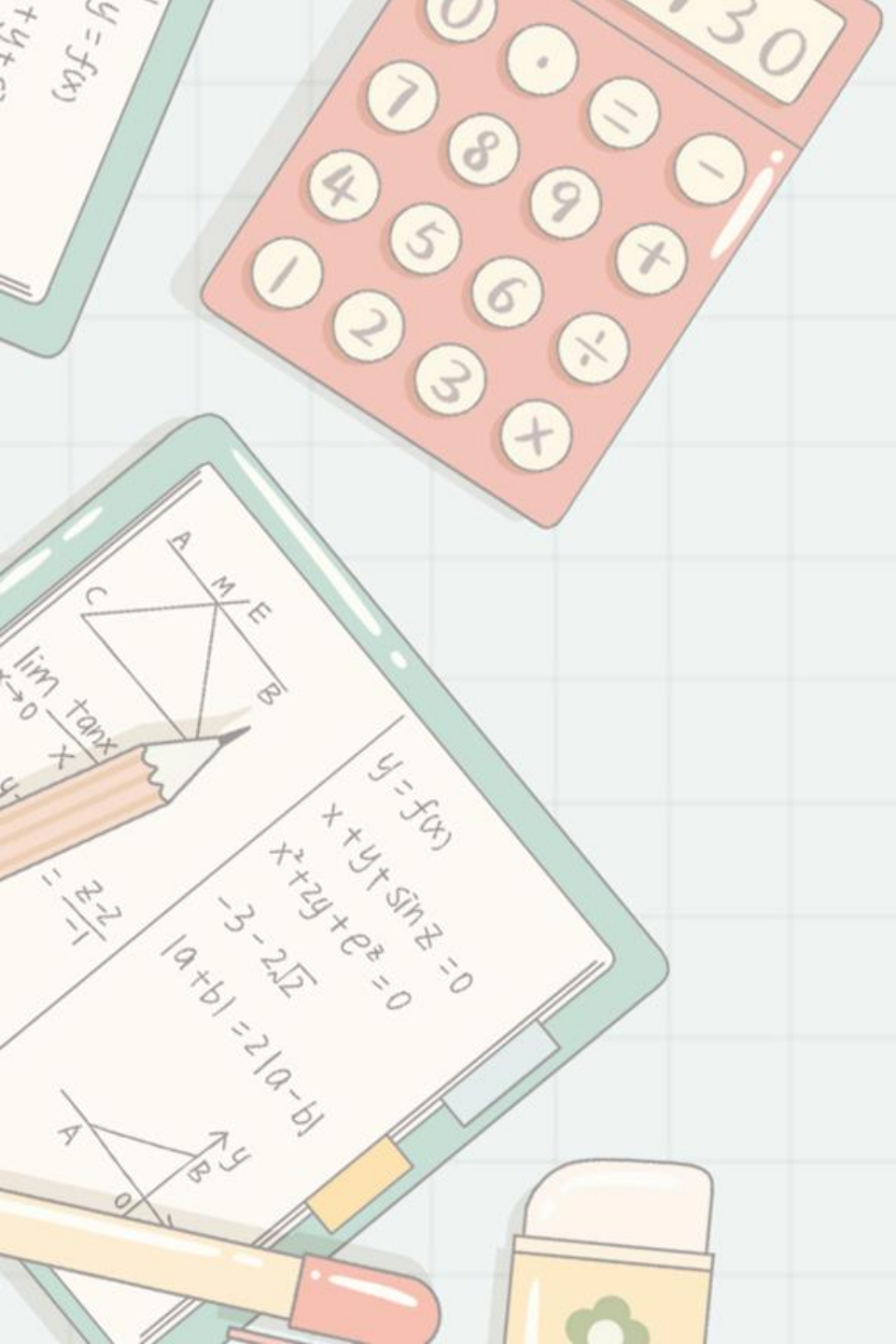
Higher Groups
- 11a/Ma1 – Aiming for 7, 8, 9
- 11a/Ma2 and 11b/Ma1 – Aiming for 5, 6, 7

Foundation Groups
- 11a/Ma3 and 11b/Ma2 – Aiming for 4, 5
- 11b/Ma3 – Aiming for 4 or below

Higher Groups
- 10b/Ma1 – Aiming for 7, 8, 9
- 10b/Ma2, 10a/Ma1, 10a/MaS– Aiming for 5, 6, 7

Foundation Groups
- 10b/Ma3 and 10a/Ma2 – Aiming for 4, 5
- 10a/Ma3 – Aiming for 4 or below

As you can see there is some overlap and for some students tier of entry is not decided until Year 11.



Course content:
Topics in KS3 form the building blocks of GCSE and it can be worth pupils revisiting this content.

GCSE content is covered before April in Year 11.

Lessons after this time concentrate on consolidation, gap fill and exam technique.

Edexcel provide a revision checklist for students to see the content which they could be tested on in their GCSE papers.

GCSE Maths Revision Checklist - Higher

Unit		Unit / Topic	Complete
1	a	**Calculations, checking and rounding**	
		Four operations with decimals and whole numbers	
		Use one calculation to find the answer to another	
		Product rule	
		Rounding & estimation	
	b	**Indices, roots, reciprocals and hierarchy of operations**	
		Use index notation including fractional and negative powers	
		Order of operations	
	c	**Factors, multiples and primes**	
		Identify factors, multiples and prime numbers	
		Find prime factorisation of a number (& write in index form)	
		Find common factors & highest common factors	
		Find LCM of two (or three) numbers	
	d	**Standard form and surds**	
		Index laws to simplify & calculate the value of an expression	
		Convert between ordinary numbers and standard form	
		Work with the four operations in standard form	
		Use a calculator with indices and standard form	
		Simplify surd expressions	
2	a	**Algebra: the basics**	
		Write an expression	
		Collect like terms	
		Simplify expressions	
		Use index laws	
		Expand single & double brackets	
		Factorise single brackets	
		Factorise quadratic expressions	
		Factorise quadratic expressions using difference of two squares	
	b	**Setting up, rearranging and solving equations**	
		Set up expressions and equations	
		Substitute into expressions, equations and formulae	
		Solve linear equations and inequalities	
		Change the subject of a formula	
		Iteration	
	c	**Sequences**	
		Continue sequences inc from pictures	
		Find the nth term	
		Use nth term rule to generate or continue a sequence	
		Find the nth term of a quadratic sequence	
		Distinguish between arithmetic and geometric sequences	
		Recognise and use simple geometric progressions	
		Find term to term rule of a geometric sequence, including negative, fraction and decimal terms	
3	a	**Averages and range**	
		Use various charts & diagrams in relation to averages	
		Two way tables	
		Calculate the mean, mode, median and range from a list	
		Median, mean and range from a table (discrete data)	
		Modal class, median and estimate of the mean from grouped data	
		Draw and interpret stem and leaf diagrams	
	b	**Representing and interpreting data**	
		Know which chart or diagram to use for different data sets	
		Draw and interpret bar charts (inc dual & composite)	
		Draw and interpret line graphs (vertical & time-series)	
		Draw and use pie charts	
		Find mode & total frequency from a pie chart	
		Compare two pie charts	
		Produce and interpret histograms	
		Compare distributions	
	c	**Scatter graphs**	
		Draw and use scatter graphs & lines of best fit	
		Identify outliers & correlation	

Unit		Unit / Topic	Complete
4	a	**Fractions**	
		Equivalent fractions including simplifying & comparing	
		Express one amount as a fraction of another	
		Convert between mixed numbers and improper fractions	
		Four operations using fractions	
		Find a fraction of an amount	
		Convert between recurring decimals to fractions and vice versa	
	b	**Percentages**	
		Use fraction to decimal conversions	
		Recognise terminating & recurring decimals	
		Convert between fractions, decimals & percentages	
		Order & compare fractions, decimals & percentages	
		Write one amount as a percentage of another	
		Calculate percentage of an amount	
		Calculate percentage increase/decrease	
		Use decimals to find quantities (multiplier methods)	
		Increase / decrease an amount by a percentage	
		Reverse percentages	
	c	**Ratio and proportion**	
		Write ratios in their simpl	
		Share a quantity in a give	
		Use a ratio to find one qu	
		Compare ratios	
		Write ratio in the form 1:	
		Write a ratio as a fraction	
		Write a ratio as a linear f	
		Use direct & inverse prop	
		Recipes	
		Currency conversions	
5	a	**Polygons, angles and parall**	
		Measure and draw lines,	
		Identify and name 2D sh	
		Identify parallel and perp	
		Use angle facts - around	
		Use angle properties of p	
		Use sum of interior angle	
		Use sum of exterior angl	
		Use the sideangle prope	
		quadrilaterals	
	b	**Pythagoras' Theorem and t**	
		Pythagoras' Theorem	
		Trigonometry - sin, cos ar	
		Know exact trig values	
6	a	**Graphs: the basics and real-**	
		Use coordinates in all fou	
		Conversion graphs	
		Fixed cost and cost per u	
		Distance / time and Veloc	
		Midpoints of a line segm	
		Calculate the length of a l	
	b	**Linear graphs and coordina**	
		Draw, use and interpret (	
		Find the equation of a lin	
		Find the equation of a lin	
		Identify parallel and perp	
		Generate equations of pa	
	c	**Quadratic, cubic and other**	
		Plot quadratic graphs	
		Find solutions, intercepts	
		Recognise and sketch cub	
		Recognise and sketch rec	
		Draw circles, centre the o	

GCSE Maths Revision Checklist - Higher

Unit		Unit / Topic	Complete
7	a	**Perimeter, area and circles**	
		Convert between metric measures	
		Read scales	
		Perimeter of 2D shapes	
		Area of 2 D shapes and compound shapes	
		Name parts of a circle	
		Recall & use formula for area and circumference of a circle	
		Arcs and sectors	
	b	**3D forms and volume, cylinders, cones and spheres**	
		Identify and name 3D forms and their properties	
		Volume of a cuboid	
		Volume of a prism	
		Volume of a composite forms	
		Surface area of prisms & simple compound forms	
		Surface area & volume of a cylinder	
		Spheres, pyramids, cones, frustums and composite solids	
	c	**Accuracy and bounds**	
		Calculate the upper & lower bounds of numbers	
		Calculate the upper & lower bounds of an expression	
		Use error intervals (inc truncation)	
8	a	**Transformations**	
		Transform and describe translations, rotations & reflections	
		Transform and describe enlargements inc fractional and negative SF	
		Transform shapes using a combination of transformations	
		Describe transformations when using multiple transformations	
		Describe the changes & invariance achieved by combinations of transformations	
	b	**Constructions, loci and bearings**	
		Draw plans and elevations of shapes	
		Draw a 3D form given its plan and elevations	
		Use maps, scale drawings & bearings	
		Standard constructions	
		Find regions satisfying a combination of loci	
		Find and describe regions satisfying a combination of loci, including in 3D	
		Use constructions to solve loci problems including with bearings	
9	a	**Solving quadratic and simultaneous equations**	
		Set up and solve quadratic equations	
		Completing the square	
		Quadratic Formula	
		Solve simultaneous equations algebraically and graphically (linear/linear)	
		Solve simultaneous equations algebraically and graphically (linear/quadratic)	
		Solve simultaneous equations algebraically and graphically (linear/circle)	
	b	**Inequalities**	
		On a number line	
		Listing numbers that satisfy an inequality	
		Solving inequalities and show the solution on a number line	
		Represent and interpret inequalities graphically	
10		**Probability**	
		Probability scale	
		Listing outcomes	
		Two-way tables	
		Frequency trees	
		Use 1-p	
		Relative frequency	
		Sample space diagrams	
		Venn diagrams & set notation	
		Probability tree diagrams	
11		**Multiplicative reasoning**	
		Best value	
		Use compound measures: Pressure, Density & Speed	
		Percentage profit / loss	
		Reverse percentages	
		Simple interest	
		Compound interest & growth	
		Depreciation & decay	
		Rates of pay	

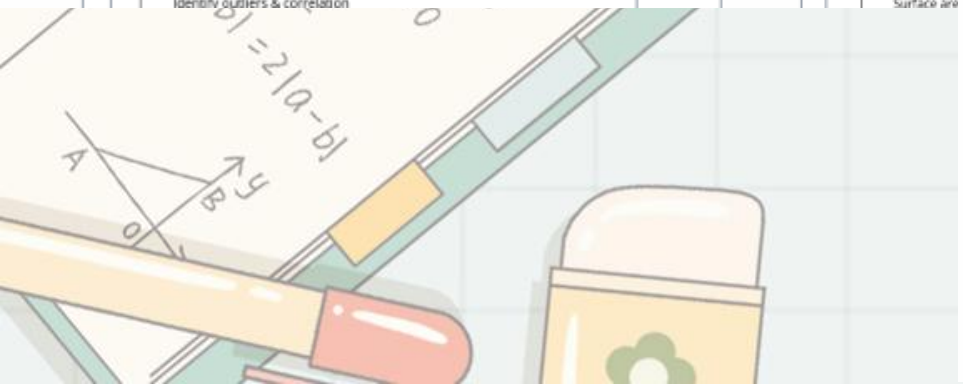
Unit		Unit / Topic	Complete
12		**Similarity and congruence in 2D and 3D**	
		Use congruence criteria for triangles (SSS, SAS, ASA and RHS)	
		Use formal geometric proof involving similarity & congruence	
		Identify similar shapes	
		Identify scale factors and find missing lengths in similar shapes	
		Use length, area and volume scale factors	
		Area and surface area of frustums	
13	a	**Graphs of trigonometric functions**	
		Recognise, sketch and interpret graphs of the trigonometric functions	
		Exact trig values	
		Transforming graphical functions	
	b	**Further trigonometry**	
		Formula for area of a triangle	
		Sine rule in 2D and 3D	
		Cosine rule in 2D and 3D	
		Pythagoras Theorem in 3D	
14	a	**Collecting data**	
		Types of data	
		Bias and eliminating bias	
	b	**Cumulative frequency, box plots and histograms**	
		Construct & interpret cumulative frequency tables/graphs	
		Median, quartiles & interquartile range from cumulative diagrams	
		Construct & interpret box plots	
		Median, quartiles & interquartile range from box plots	
		Construct & histograms	
		Estimate the mean and median from a histogram	
15		**Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics**	
		Sketch quadratics	
		Identify roots, turning points and intercepts of quadratic graphs	
		Completing the square	
		Expand the product of more than two linear expressions	
		Sketch cubics	
		Solve simultaneous equations graphically	
		Solve and represent quadratic inequalities	
16	a	**Circle theorems**	
		Parts of a circle	
		Prove, recall and apply circle theorems	
	b	**Circle geometry**	
		Recognise and construct the graph of a circle	
		Find the equation of a tangent to a circle	
17		**Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof**	
		Rationalise the denominator involving surds	
		Simplify, multiply and divide algebraic fractions	
		Change the subject of a complex formula	
		Algebraic Proof	
		Functions & function notation	
		Inverse functions	
		Composite functions	
18		**Vectors and geometric proof**	
		Understand represent and use vector notation, including column notation	
		Find the length of a vector	
		Calculate the resultant of a vector	
		Geometric problems in 2D where vectors are divided in a given ratio.	
		Geometrical proofs to prove points are collinear & vectors/lines are parallel	
19	a	**Reciprocal and exponential graphs; Gradient and area under graphs**	
		Recognise, sketch and interpret reciprocal graphs	
		Calculate and interpret the area under a curve	
		Calculate and interpret gradient of a tangent to a curve	
	b	**Direct and inverse proportion**	
		Recognise and interpret graphs of direct & inverse proportion	
		Set up and use formulae for direct & inverse proportion	

Pearson

GCSE Maths Revision Checklist - Foundation

Unit		Unit / Topic	Complete
1	a	**Integers and place value**	
		Types of number	
		Use and order positive and negative numbers	
		Use inequality symbols	
		Four operations using positive and negative numbers	
		Round numbers to nearest 10, 100, 1000 and use rounding for estimation	
	b	**Decimals**	
		Use decimals and place value	
		Compare and order decimal numbers	
		Four operations using decimal numbers	
		Round to nearest whole number, decimal place & significant figures	
		Use one calculation to check another	
	c	**Indices, powers and roots**	
		Find squares and cubes	
		Use index notation including negative powers	
		Use laws of indices to multiply and divide numbers in index form	
		Order of operations including powers and brackets	
		Use of calculator	
	d	**Factors, multiples and primes**	
		Identify factors, multiples and prime numbers	
		Find prime factorisation of a number (& write in index form)	
		Find common factors & highest common factor	
		Find LCM of two (or three) numbers	
2	a	**Algebra: the basics**	
		Write an expression	
		Collect like terms	
		Simplify expressions	
		Use index laws	
	b	**Expanding and factorising single brackets**	
		Expand single brackets	
		Simplify expressions using squares and cubes	
		Factorise expressions	
	c	**Expressions and substitution into formulae**	
		Substitute into expressions involving brackets & powers	
		Substitute into a formula (& word formula)	
3	a	**Tables**	
		Sort and classify data (inc tally charts)	
		Extract data from lists and tables (inc timetables)	
		Identify mode from a list / table	
	b	**Charts and graphs**	
		Know which chart or diagram to use for different data sets	
		Draw and interpret bar charts (inc dual & composite)	
		Draw and interpret line graphs (vertical & time-series)	
		Draw and interpret frequency polygons	
		Draw and interpret pictograms	
		Draw and interpret stem and leaf diagrams	
	c	**Pie charts**	
		Draw and use pie charts	
		Find mode & total frequency from a pie chart	
		Compare two pie charts	
	d	**Scatter graphs**	
		Draw and use scatter graphs & lines of best fit	
		Identify outliers & correlation	

Unit		Unit / Topic	Complete
4	a	**Fractions**	
		Equivalent fractions including simplifying & comparing	
		Express one amount as a fraction of another	
		Convert between mixed numbers and improper fractions	
		Four operations using fractions	
		Find a fraction of an amount	
	b	**Fractions, decimals and percentages**	
		Use fraction to decimal conversions	
		Recognise terminating & recurring decimals	
	c	**Percentages**	
		Convert between fractions, decimals & percentages	
		Order & compare fractions, decimals & percentages	
		Write one amount as a percentage of another	
		Calculate percentage of an amount	
		Calculate percentage increase/decrease	
		Use decima	
		Increase / d	
5	a	**Equations**	
		Use functio	
		Solve equa	
		Rearrange	
		Set up & so	
	b	**Inequalities**	
		On a numb	
		Listing nu	
		Solving ine	
		Error inter	
	c	**Sequences**	
		Continue s	
		Find the nt	
		Use nth ter	
6	a	**Properties of s**	
		Measure a	
		Identify an	
		Identify pa	
		Use angle f	
		Use angle p	
	b	**Interior and e**	
		Use sum of	
		Use sum of	
7	a	**Statistics and**	
		Understan	
	b	**The averages**	
		Use variou	
		Calculate t	
		Median, m	
		Modal class	
8	a	**Perimeter and**	
		Convert be	
		Read scale	
		Time	
		Perimeter	
		Area of 2 D	
		Area of cor	
		Surface are	



GCSE Maths Revision Checklist - Foundation

Unit		Unit / Topic	Complete
8	b	**3D forms and volume**	
		Identify and name 3D forms and their properties	
		Volume of a cuboid	
		Volume of a prism	
		Volume of a composite forms	
9	a	**Real-life graphs**	
		Use coordinates in all four quadrants	
		Midpoints of a line segment	
		Conversion graphs	
		Fixed cost and cost per unit graphs	
		Distance / time and Velocity/ time graphs	
	b	**Straight-line graphs**	
		Draw, use and interpret (inc gradient) straight line graphs	
		Identify parallel lines	
		Find the equation of a line (including from a graph)	
10	a	**Transformations I: translations, rotations & reflections**	
		Transform and describe translations	
		Transform and describe rotations	
		Transform and describe reflections	
	b	**Transformations II: enlargements and combinations**	
		Transform and describe enlargements	
		Transform shapes using a combination of transformations	
		Describe transformations when using multiple transformations	
11	a	**Ratio**	
		Write ratios in their simplest form (including in context)	
		Share a quantity in a given ratio (including 3-part ratios)	
		Use a ratio to find one quantity when another is known	
		Compare ratios	
		Write ratio in the form 1:n or n:1	
		Write a ratio as a fraction and vice versa	
	b	**Proportion**	
		Use direct & inverse proportion (and recognise graphically)	
		Best value	
		Recipes	
		Currency conversions	
12		**Right-angled triangles: Pythagoras and trigonometry**	
		Pythagoras' Theorem	
		Trigonometry - sin, cos and tan	
		Know exact trig values	
13	a	**Probability I**	
		Probability scale	
		Listing outcomes	
		Two-way tables & Frequency Trees	
		Use 1-p	
	b	**Probability II**	
		Relative frequency	
		Sample space diagrams	
		Venn diagrams & set notation	
		Probability tree diagrams	

Unit		Unit / Topic	Complete
14		**Multiplicative reasoning**	
		Use compound measures: Pressure, Density & Speed	
		Percentage profit / loss	
		Reverse percentages	
		Simple interest	
		Compound interest & growth	
		Depreciation & decay	
		Rates of pay	
15	a	**Plans and elevations**	
		3D shape names and properties	
		Sketch 3D forms	
		Draw plans and elevations of shapes	
		Draw a 3D form given its plan and elevations	
	b	**Constructions, loci and bearings**	
		Standard constructions	
		Find regions satisfying a combination of loci	
		Use maps and scale drawings	
		Bearings	
16	a	**Quadratic equations: expanding and factorising**	
		Expand double brackets	
		Factorise quadratic expressions	
		Solve quadratic equations	
	b	**Quadratic equations: graphs**	
		Plot quadratic graphs	
		Find solutions, intercepts & turning points of a quadratic graph	
17		**Circles, cylinders, cones and spheres**	
		Name parts of a circle	
		Recall & use formula for area and circumference of a circle	
		Arcs and sectors	
		Surface area & volume of a cylinder	
		Spheres, pyramids, cones and composite solids.	
18	a	**Fractions and reciprocals**	
		Four operations with mixed number fractions	
		Reciprocal of an integer, decimal or fractions	
	b	**Indices and standard form**	
		Index laws to simplify & calculate the value of an expression	
		Convert between ordinary numbers and standard form	
		Work with the four operations in standard form	
		Use a calculator with indices and standard form	
19	a	**Similarity and congruence in 2D**	
		Use congruence criteria for triangles (SSS, SAS, ASA and RHS)	
		Identify similar shapes	
		Identify scale factors and find missing lengths in similar shapes	
	b	**Vectors**	
		Understand and use column notation including drawing them	
		Identify parallel column vectors	
		Calculate using column vectors	
20		**Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations**	
		Know the terms equation, identity, expression etc	
		Change the subject of a formula	
		Answer simple "show that" questions.	
		Use inverse proportion involving graphs	
		Recognise and sketch cubic functions	
		Recognise and sketch reciprocal functions	
		Solve simultaneous equations algebraically and graphically	

Pearson

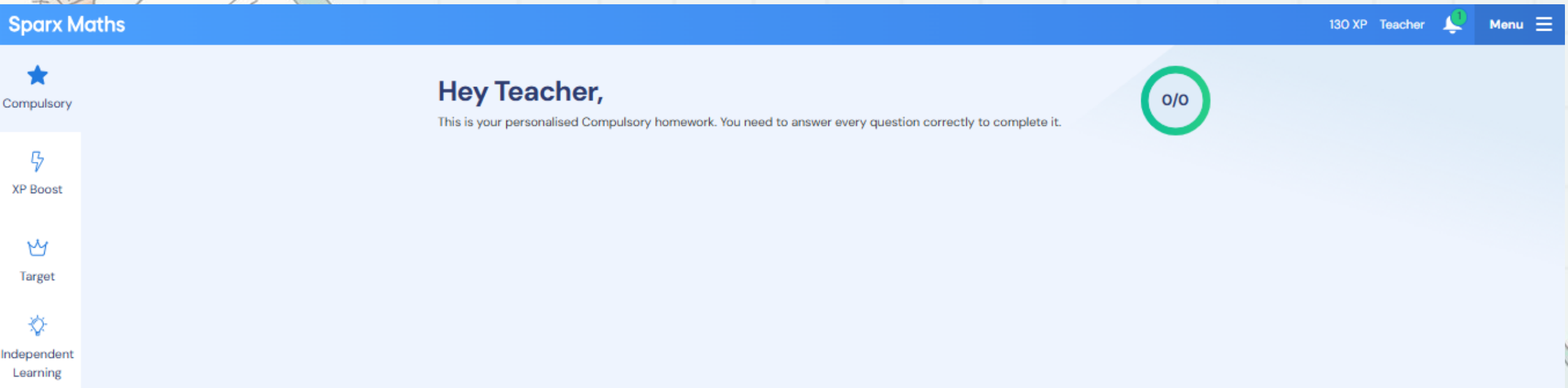
Homework:

Homework is set on a weekly basis.

Set on Wednesday, due the following Tuesday.

The platform we use is Sparx maths

www.sparxmaths.com

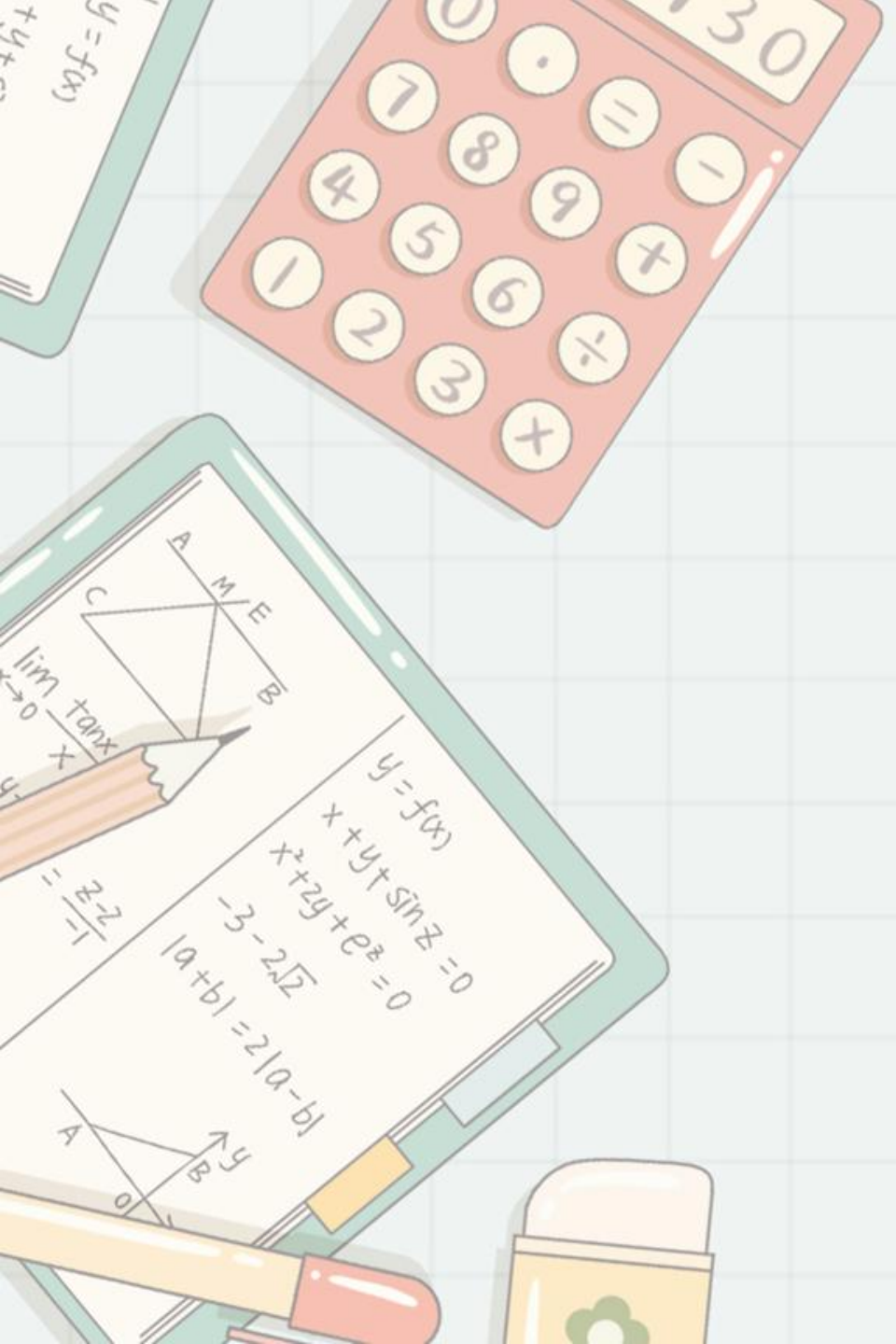


Optional Homework in Sparx Maths

- Sparx produces three personalised tasks for you every single week that you have homework to complete
- After you finish your Compulsory homework, refine your skills by completing similar problems in **XP Boost**
- Further enhance your skills by completing the **Target** work which is a set of six questions chosen specifically to challenge you

Independent learning – take control of your own learning

- Access every single question on Sparx
- Choose one of three levels of question
  - Introduce: basic skills
  - Strengthen: improve understanding
  - Deepen: problem solving
- Do this after Compulsory homework, XP Boost and Target



Mock Exams:
Mock exams take place in Summer of Year 10 and November/December of Year 11.

For Maths Year 11 exams are full papers, graded using grade boundaries from the exam boards.

Students receive a question level analysis of their result. This will form their revision hitlist.

For Summer 2026/27 examinations students will receive a formula sheet.

Higher Tier Formulae Sheet

Perimeter, area and volume

Where a and b are the lengths of the parallel sides and h is their perpendicular separation:

Area of a trapezium $= \frac{1}{2}(a+b)h$

Volume of a prism = area of cross section × length

Where r is the radius and d is the diameter:

Circumference of a circle $= 2\pi r = \pi d$

Area of a circle $= \pi r^2$

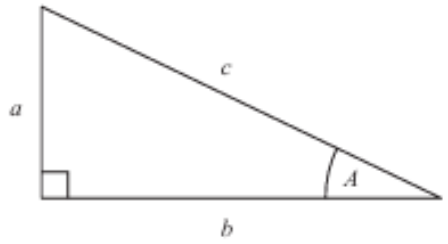
Quadratic formula

The solution of $ax^2 + bx + c = 0$

where $a \neq 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Pythagoras' Theorem and Trigonometry

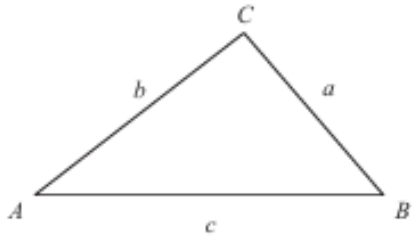


In any right-angled triangle where a, b and c are the length of the sides and c is the hypotenuse:

$a^2 + b^2 = c^2$

In any right-angled triangle ABC where a, b and c are the length of the sides and c is the hypotenuse:

$\sin A = \frac{a}{c}$ $\cos A = \frac{b}{c}$ $\tan A = \frac{a}{b}$



In any triangle ABC where a, b and c are the length of the sides:

sine rule: $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

cosine rule: $a^2 = b^2 + c^2 - 2bc\cos A$

Area of triangle $= \frac{1}{2}ab\sin C$

Compound Interest

Where P is the principal amount, r is the interest rate over a given period and n is number of times that the interest is compounded:

Total accrued $= P\left(1+\frac{r}{100}\right)^n$

Probability

Where P (A) is the probability of outcome A and P (B) is the probability of outcome B:

P (A or B) = P (A) + P (B) – P (A and B)

P (A and B) = P (A given B) P(B)

END OF EXAM AID

Foundation Tier Formulae Sheet

Perimeter, area and volume

Where a and b are the lengths of the parallel sides and h is their perpendicular separation:

Area of a trapezium $= \frac{1}{2}(a+b)h$

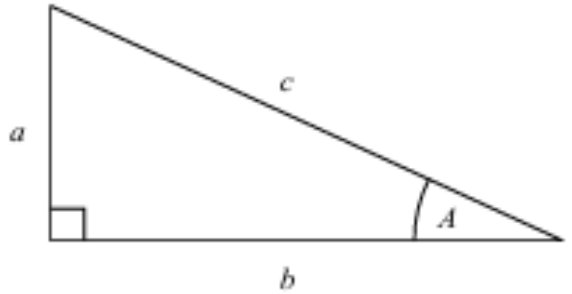
Volume of a prism = area of cross section × length

Where r is the radius and d is the diameter:

Circumference of a circle $= 2\pi r = \pi d$

Area of a circle $= \pi r^2$

Pythagoras' Theorem and Trigonometry



In any right-angled triangle where a, b and c are the length of the sides and c is the hypotenuse:

$a^2 + b^2 = c^2$

In any right-angled triangle ABC where a, b and c are the length of the sides and c is the hypotenuse:

$\sin A = \frac{a}{c}$ $\cos A = \frac{b}{c}$ $\tan A = \frac{a}{b}$

Compound Interest

Where P is the principal amount, r is the interest rate over a given period and n is number of times that the interest is compounded:

Total accrued $= P\left(1+\frac{r}{100}\right)^n$

Probability

Where P (A) is the probability of outcome A and P (B) is the probability of outcome B:

P (A or B) = P (A) + P (B) – P (A and B)

END OF EXAM AID

June 2023 - Paper 1H Joe Bloggs 11b1 - HB

In this paper you achieved:
Mark: 27 / 80
Grade: **5c**

This PLC shows you how best to target your revision by comparing your performance to the average student who achieved a Grade 6.

If you master the 9 topics in red then you could have achieved an additional 27 marks. This would have resulted in you achieving:
Mark: 54 / 80
Grade: **7b**

You achieved a high score for this question and performed better than the average Grade 6 student.
You performed better than the average Grade 6 student but still dropped marks.
You did not perform as well as the average Grade 6 student. You should prioritise these areas.
Your time would be better spent focussed on your Red and Amber questions.

Questions	Question Title	Score	Clip Number(s)
Q01	Divide Decimals	3 / 3	U293
Q02	Calculate exactly with fractions	3 / 3	U793
Q03	Volume cuboids and other right prisms (including cylinders)	0 / 4	U929/U786
Q04	Frequency polygons	1 / 2	U840
Q05a	Venn diagrams	0 / 3	U476
Q05b	Probability from a Venn Diagram	2 / 2	U748/296
Q06a	Scatter graphs	1 / 1	U277
Q06b	Line of best fit	2 / 2	U128
Q07	Percentages problems	0 / 2	U286
Q08	Use compound units	0 / 3	U174U527
Q09	Solve simultaneous equations graphically	1 / 1	U836
Q10	Exterior and interior angles	0 / 4	U427
Q11	Laws of indices	0 / 3	U235/694
Q12	Probability Trees	3 / 3	U558/806
Q13	Direct and inverse proportion	2 / 3	U407/640
Q14a	Negative Indices	1 / 1	U694
Q14b	Fractional Indices	0 / 3	U772
Q15	Graphs and equations of lines	1 / 3	U898
Q16	Surface area of spheres	3 / 4	U893
Q17	Rearrange formulae to change the subject	2 / 4	U556
Q18	Ratio in real context	1 / 4	U595
Q19	Listing strategies/Product rule for counting	0 / 2	U369
Q20a	Inverse functions	1 / 2	U996
Q20b	Composite functions	0 / 3	U448
Q21	Circle theorems	0 / 4	U459/808
Q22	Pythagoras's Theorem and Trigonometry	0 / 2	U170/U319
Q23	Calculate with Surds	0 / 4	U707/281

QLAs

Compares each students performance with the next grade.

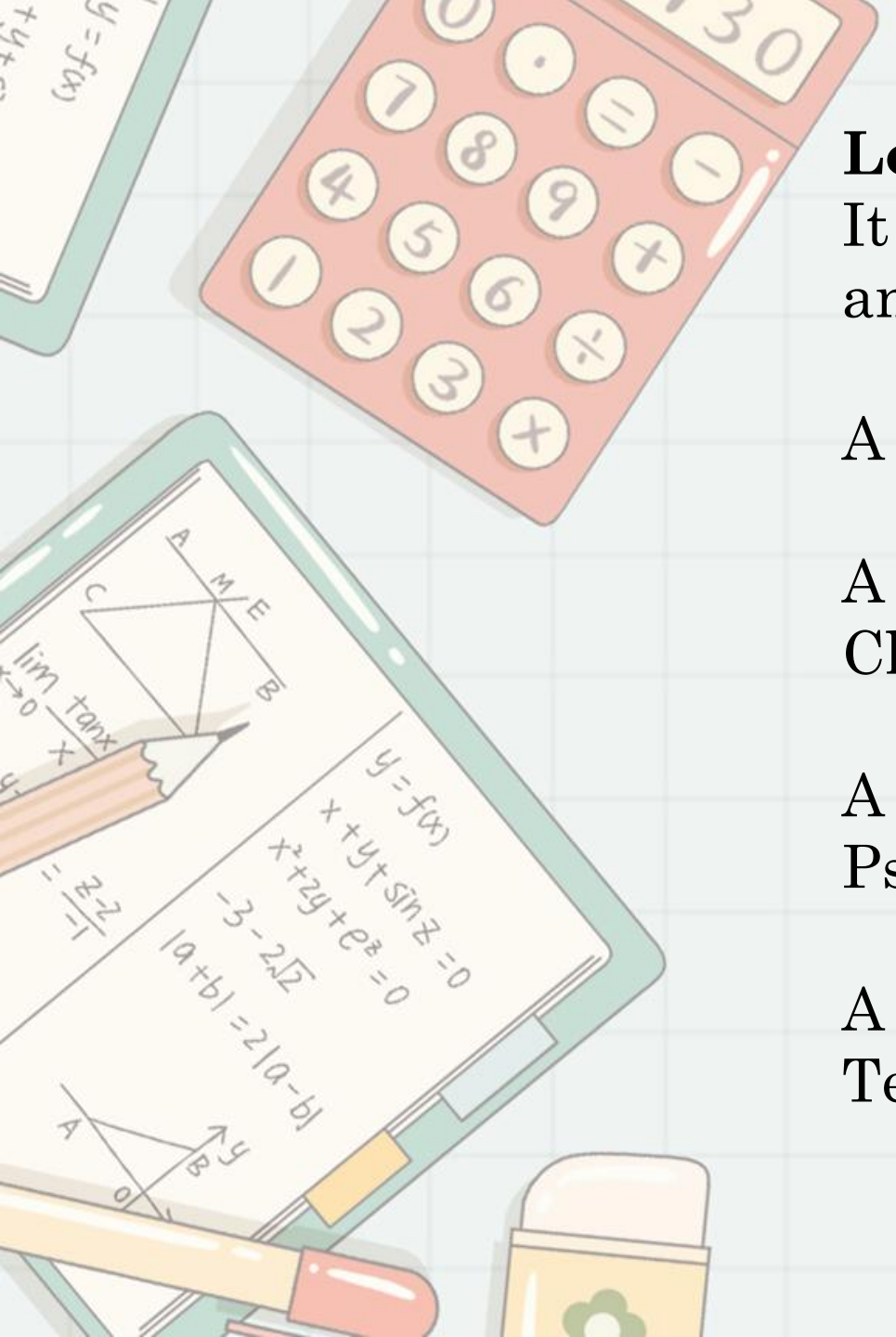
Green – Done better than expected

Amber – Still dropped some marks

Red – PRIORITY!!

Grey – Focus should be elsewhere

Clip Number – Sparx independent learning



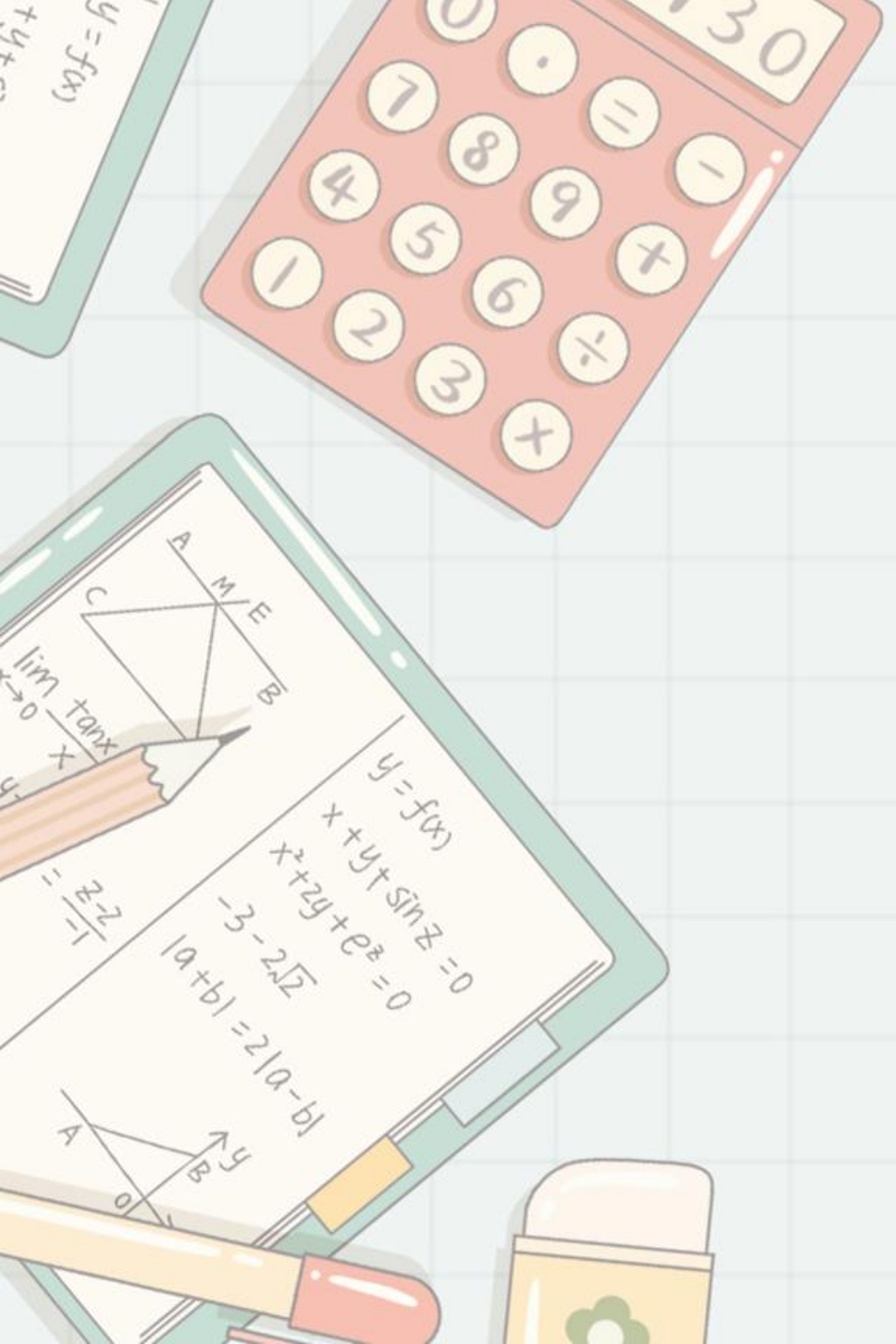
Looking ahead – A Levels:
It is compulsory to study Maths post-16 for anyone who does not achieve a standard pass (4).

A grade 7 is required to study Further Maths.

A grade 6 is required for Maths, Biology, Chemistry, Physics, and Computer Science.

A grade 5 is required for Economics, Geography, Psychology, and PE*.

A grade 4 is required for Business, Design and Technology, and IT



Revision and Support:

In School:

Students will complete lots of exam practice in lessons, this then enables us to see which topics the class needs to cover.

We run past paper club every Tuesday from 3 to 4pm. Where students can revise and complete past papers with a teacher on hand to give extra help when needed.

Homework is extremely important in the run up to the GCSE.

Some students will be selected to complete intervention sessions which will run in form/GCA time with different students throughout the year.

Revision and Support:

At Home:

It's never too early to revise!

The best way to revise is to do Maths!

Other websites:

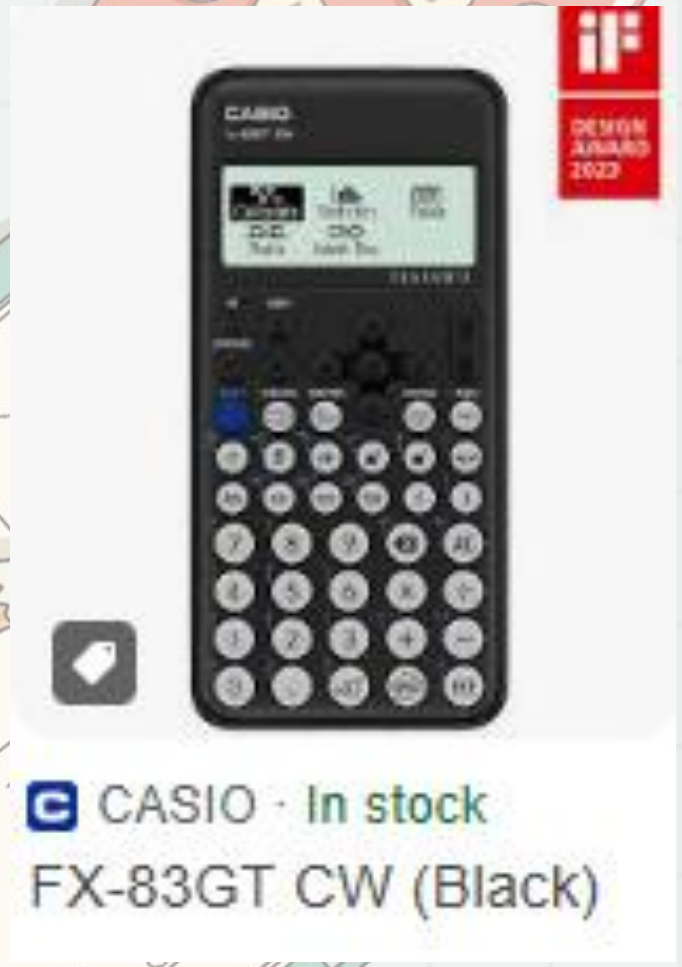
Sparx Maths – Homework/Independent Learning

1st Class Maths – Exam style questions on particular topics/papers with video solutions

Mathsgenie.co.uk - Exam style questions on particular topics/papers with worked solutions

Corbett Maths – Practise questions on all topics/5 a day mixed revision/ultimate revision packs

On Maths – Papers online with instant marking



Revision and Support:
Parents/Careers:
Encourage your child to complete homework, ensuring they have time and space to do it.

Check they have the right equipment.

Calculators

For the calculator papers students need a GOOD QUALITY scientific calculator. We would recommend Casio (FX-83GT). Can be purchased on MCAS app and collected in finance office (£9.50).

Encouragement

Support

Place to work

Thank you

Please feel free to ask any questions