Edgbarrow School
ENJOY - GROW - ACHIEVE

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Dear Parent/Carer

Year 8 Maths Written Assessments

Year 8 maths written assessments will take place on 9th December, during the maths lesson. The exam will be on work covered since September from the 5 units detailed on the subject sheet (covering G1, N1, A1, H1 and A2). Students were given a blue subject sheet on the cover of their maths book; this details the topics studied. At the end of this letter, there is a more extensive list of topics covered, along with suggested locations for questions on Sparx and MyMaths for students to use in their revision process.

Other sources for revision are:

- www.mymaths.co.uk
  Username: Edgbarrow
  Password: rectangle
- www.mrbartonmaths.com
  A free revision website

For the exam, all students will require pens, pencils, a ruler and a rubber.

Increasing numbers of pupils are not bringing the correct equipment for lessons and examinations, placing themselves at a considerable disadvantage.

All of the necessary equipment is available for purchase through the mathematics department as follows:

- Protractor 40p
- Compasses 40p
- Pencils 10p
- 30cm ruler 20p
- 15cm ruler 10p
- Rubber 10p
- Filled pencil case £4.10 - (Contains all the necessary equipment, glue, scissors and 3 highlighters)
- Scientific calculator £11.15

Items are sold at cost price and are subject to change.

Please encourage your child to buy any necessary equipment, as it can be used for all subjects.

Yours faithfully

Mrs A Gliniecka
KS3 Maths Coordinator

Please find below a guide to the topics that have been covered and possible locations for revision questions. For Sparx, students will need to log on and click on Independent Learning. They can then choose the complexity of questions from Introduce, Strengthen and Deepen.

Unit:	**Topics to revise:**	**Sparx reference or MyMaths reference**
G1 – 2D Shapes	Angle rules	Sparx code: Angles on a line and about a point – M818
	Properties of triangles	Sparx code: Properties of triangles – Q763
	Properties of quadrilaterals	Sparx codes: Angles in quadrilaterals – M679 Properties of quadrilaterals – Q787 Using quadrilateral properties to find angles – M393
	Names of regular polygons	Sparx code: Angles in polygons – M653
	Interior and exterior angles	Mymaths: Interior and exterior angles
	Congruence	Sparx code: Understanding congruence – M124
	Similarity	Sparx codes: Understanding similarity – M377 Finding unknown sides in similar shapes – M324
N1 – Decimals	Ordering decimals	Sparx codes: Decimal place value – M522 Ordering decimals – Q509
	Four operations with decimals	Sparx codes: Adding decimals – M429 Subtracting decimals – M152 Using a written method to multiply decimals – M803 Using a written method to divide by decimals – M491
	Rounding	Sparx codes: Rounding integers – M111 Rounding decimals – M431 Rounding integers using significant figures – M994 Rounding decimals using significant figures – M131
	Estimating	Sparx code: Estimating calculations – M878
A1 – Equations	Algebraic notation	Sparx codes: Algebraic notation – M813 Algebraic terminology – M830
	Collecting like terms	Sparx code: Simplify expressions by collecting like terms – U105

	Expanding single brackets	Sparx code: Expanding single brackets – M237
	Solving one-step and two-step equations	Sparx code: Solving equations with one step – M707 Solving equations with two steps – M634, M401, M647
	Forming equations	Sparx code: Constructing and solving equations – M957
	Solving equations containing brackets	Sparx code: Solving linear equations involving brackets – M902
	Solving equations with x on both sides	Sparx code: Solving equations with the unknown on both sides – M554
	Solving equations containing fractions	Sparx codes: Solving equations with two steps – M401, M647 Solving equations with the unknown in the denominator – M387
H1 – Probability	Probability vocabulary	Sparx code: Using probability phrases – M655
	Probability scale	Mymaths: Probability Intro Sparx code: Writing probabilities as fractions – M941 Writing probabilities as fractions, decimals and percentages – M938
	Experimental probability	Sparx code: Calculating experimental probabilities – M332 Probabilities of mutually exclusive events – M755
	Equally likely events	https://www.cimt.org.uk/projects/mepres/book7/bk7_21.pdf
	Venn diagrams	Sparx code: Venn diagram – M829 Probabilities from Venn diagrams – M419
	Sample space diagrams	Sparx code: Sample space diagrams – M718
	Frequency trees	Sparx code: Frequency trees – U280
	Comparing experimental and theoretical probabilities	https://www.cuemath.com/worksheets/theoretical-and-experimental-probability-worksheets/
A2 – Expressions	Simplifying expressions	Sparx codes: Simplifying expressions containing a single variable – M795 Simplifying expressions containing multiple variable –M531 Simplifying expressions containing non-linear terms – M949
	Indices and index laws	Sparx codes: Index rules with positive indices – M608

		Index rules with negative indices – M150 Simplifying expressions using index laws – M120
	Factorise expressions	Sparx code: Factorising into one bracket – M100
	Prime factor decomposition	Sparx codes: Prime factor decomposition – M108 Finding the HCF and LCM using prime factor decomposition – M365
	Rearranging formulae	Sparx codes: Changing the subjects of formulae in one step – M242 Changing the subjects of formulae with two or more steps – M983