



HIGH IMPACT MATHS REVISION

EXAM DATES

- Mathematics-Numeracy Unit 1 7th May 2019
- Mathematics-Numeracy Unit 2 9th May 2019
 - Mathematics Unit 1 21st May 2019
 - Mathematics Unit 2 6th Jun 2019

Overall Plan

- Pupils will get PLCs at various points in the year.
- 2 extra classes added to make some class sizes smaller.
- Classes reviewed regularly
- Guided independent study
- Homework programme
- Intervention/RAG classes where appropriate
- Walking Talking Mocks

PLCs



UNIT 1

Question Number	Topic	Max mark	My Mark
1a	Find the next 2 terms in a sequence	2	2
1b	Substitution into an expression	2	2
1c	Simplifying expressions	2	0
2	Ordering fractions, decimals and percentages	3	3
3a	Reflection in the x axis	1	0
3b	Enlargement by a positive scale factor (no centre)	2	1
3c	Translation (no vector notation)	1	1
4a	Calculating probability	1	1
4b	Calculation using probability	1	1
4c	Probability	1	0
5	Number problem	2	2
6a	Listing outcomes	2	0
6b	Using list to calculate probability	2	0
7a	Calculating angles in a quadrilateral using algebra	4	NA
7b	Using angle facts to decide if lines are parallel	2	0
8a	Estimation	2	2
8b	Calculation - Using known facts	3	0
9	OCW - Area problem	7	5
10a	Calculate missing probability from a table	2	2
10b	Probability - or rule	2	2
10c	Probability - and rule	2	0
11a	Quadratic graph - substitution in equation	1	0
11b	Quadratic graph - plot points and draw graph	2	1
11c	Quadratic graph - use graph to solve an equation	2	NA
12a	Express a number as a product of its prime factors	3	2
12b	Using powers to justify that a number is not square	1	1
13a	Straight line graphs - Identify equation	1	0
13b	Straight line graphs - Identify points on the line	1	NA
13c	Straight line graphs - Find the gradient	1	0
14	Number problem	3	3
15	Dimensional analysis	3	NA
16a	Venn Diagram - Complete a diagram	3	0
16b	Venn diagram - Interpret to calculate probability	2	0
17	Simultaneous equations - Solve algebraically	4	0
18	Calculate using standard form	2	0
19	Write and solve inequalities in context	5	NA
Total		80	31

UNIT 2

Question Number	Topic	Max mark	My Mark
1a	Calculate a percentage of an amount	2	1
1b	Calculate a fraction of a quantity	2	0
1c	Division by a fraction	1	0
1d	Equivalent fractions	1	NA
1e	Identify a recurring decimal from its fraction	1	0
2	T/F - Properties of triangles	3	1
3	Number skills - Primes and factors	2	2
4a	Function machine - Calculate an output	1	1
4b	Function machine - Calculate an input	2	1
5	Averages - find values given mean and range	2	NA
6a	Sequences - generate sequence given nth term	2	2
6b	Sequences - find the nth term rule	2	2
7a	Probability - Relative frequency	1	0
7b	Probability - Expected outcomes	2	0
7c	Probability - Expected outcomes	2	1
8	Angles - Interior angles of polygons	4	2
9	Manipulating and simplifying algebraic expressions	3	1
10	OCW - Area problem including trapezium	6	NA
11a	Calculator skills - rounding to significant figures	2	1
11b	Calculate a reciprocal - rounding to decimal places	2	NA
12	Form and solve equations - angles in a triangle	5	0
13	Trial and improvement	4	NA
14	Pythagoras' theorem - Finding a missing side	3	NA
15	Construct a triangle - given angles and a pair of compasses	3	NA
16	Trigonometry - Finding a side length	3	NA
17	Probability tree diagram	5	1
18a	Factorise a linear expression - single bracket	1	0
18b	Expand - double bracket	2	0
18c	Factorise a quadratic expression	2	NA
19a	Straight line graphs - Identify parallel lines from equations	1	NA
19b	Straight line graphs - Identify perpendicular lines from equations	1	NA
20	Circle theorems	2	NA
21	Trigonometry - Find a missing angle	5	NA
Total		80	16

Intervention/RAG

- A programme of intervention and RAG classes will soon be put in place.
- Intervention classes take place during the normal timetable. Pupils will come out of other lessons.
- RAG will be after school.
- Each class will be told which one is relevant to them and when they are expected to attend.

Independent Study

- We highly recommend students to be working independently in preparation for the exams. Without independent revision, you are less likely to reach your target.
- Little and often is best!
- Practise not reading your notes.
- Mymaths
- Corbett Maths

Mymaths (www.mymaths.co.uk)

Login: albanrc

Password: data

Mymaths (www.mymaths.co.uk)

The screenshot displays the MyMaths.co.uk website interface. At the top left is the logo with the tagline "Bringing maths alive". Navigation links include "Assessment Manager", "Help", and "Log out". A search bar is located on the right. Below the navigation is a "My portal" section with fields for "Username", "Password", and a "Log in" button. A left-hand sidebar lists various math topics, with "Number" selected. The main content area is titled "Number" and features a "Filter: Everything" dropdown. A list of lessons is shown, with the first lesson, "Number facts and doubles 1", expanded to show its description: "Knowing pairs that add up to 10. Sums and doubles up to 5." and icons for "Lesson" and "Online homework".

Classic MyMaths

Library

- Number
- Algebra
- Shape
- Data
- fSkills
- Booster packs
- Statistics GCSE
- IGCSE
- A level
- Games
- Toolkit

OXFORD

Assessment Manager Help Log out Search

My portal Username Password Log in ?

Number

Filter: Everything

Add subtract mental	1 Number facts and doubles 1	🔔
Add subtract written	Knowing pairs that add up to 10. Sums and doubles up to 5.	
Counting and place value	Lesson 📖 Online homework 📝	
Calculators		
Decimals	2 Number facts and doubles 2	🔔
Estimating and accuracy	3 Number facts and doubles 3	🔔
Fractions	4 Number facts and doubles 4	f
Money and finance	1 Number bonds to 20	🔔
Multiply divide mental	2 Number bonds	🔔
Multiply divide written	1 Counting on and back	🔔
Percentages	1 Counting on over 10 and 20	🔔
Powers and roots	2 Adding and taking away	🔔
Ratio and proportion	2 Adding together	🔔
Standard form		

Mymaths (www.mymaths.co.uk)

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MyMaths.co.uk
Bringing maths alive

Assessment Manager Help Log out Search...

My portal Username Password Log in ?

Classic MyMaths

Library

Booster packs

Times tables booster

Year 7 transition

Three boosters

Four boosters

Five boosters

Six boosters

D2C

C2B

A2A*

GCSE booster 4 and 5

D2C

Arithmetic

Number and powers

Decimals

Fractions

Frac dec perc

Ratio

Expressions

Sequences, formulae

Equations

Coordinates, graphs

Angles

Transformations

Area and perimeter

Volume and 3D shapes

4 Estimating introduction

Using rounding to estimate answers to simple calculations.

Lesson Online homework

7 Estimating calculations

5 Decimal places

7 Significant figures

4 Multiply double digits

5 Multiply triple digits

4 Division chunking

5 Long division

5 Negative numbers 2

OXFORD

Corbett Maths

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PIXL March 17 Maths Intermediate U1

Question	Topic	Video Clip	Max	Mark
1a	Powers	172	2	
1b	Multiplying decimals	94	1	
1c	Subtracting decimals	91	1	
1d	Subtracting fractions (different denominators)	133	2	
2a	Continue a sequence	286	2	
2b	Simplify an expression (two types of term)	9	2	
2c	Substitute into a formula	20	2	
3	Order fractions, decimals and percentages	131	3	
4	Find a percentage of a fraction of an amount	234/137	4	
5	Angles in triangles and quadrilaterals	37/33	5	
6a	Solve an equation with an unknown on both sides	113	3	
6b	Simplify using index form	174	2	
6c	Expand and simplify an expression involving brackets	13	2	
7	Properties of number	225	2	
8	Sample space diagram, probability, expected value	246	8	
9	Volume and capacity of a cuboid	355	4	
	OCW		2	
10	Using averages and range to find a set of values	50/53/56/57	4	

Walking Talking Mocks

- At different points in the year we will be running Walking Talking Mocks with our classes.
- This is the process of giving hints and tips on a question, letting the pupils have a go and then modelling the correct answer so they get immediate feedback.
- We have found in the past that this has given pupils a lot of confidence in the days before their exams.

How can parents help?

- Sit down with them and help them plan their time and rewards.
- Give them a quiet, structured place to work.
- Help them stick to their plan by limiting their mobile phone/ social media access
- Be positive about Maths – Get involved in their revision. Find out and learn with them.
- Help them learn facts and formulae – Test them.
- Ensure they attend all revision sessions they are invited to.