

Never Stop Flying

Mathematics

Achieving Excellence through a Values Driven Education

QLA - Recent Trial

Foundation



Maths Trial – February 2024

Name: Gray, Daniel Grade: 4
Class: 11P5 Total Marks: 174
Marks from next grade: 8

You should use your question level analysis to help close the gaps in your current maths knowledge.

For some of these gaps and questions, you will go over again in class, but some will be individual to you.

Use **Sparx Maths** and **Dr Frost** to help improve and close the gaps.

Using your analysis grids from your recent trial exam.

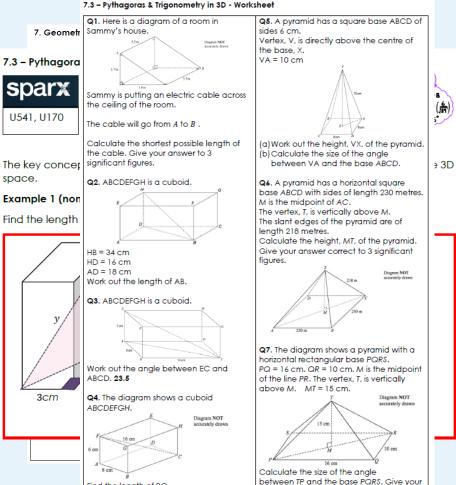
Look at your "Red" and "Amber" topics first.

Revise and practice these topic using the Sparx Maths codes

13a	Writing probabilities as fractions	1	/	1	U408
13b	Probabilities of mutually exclusive events	1	/	1	U683
14	Substituting into algebraic formulae	2	/	2	U585
15a	Estimating calculations	2	/	2	U225
15b	Multiplying and dividing with place value	0	/	1	U735
16a	Calculating with speed	3	/	3	U151
16b	Calculating with speed	1	/	1	U151
17a	Frequency trees	3	/	3	U280
17b	Frequency trees	0	/	2	U280
18	Solving direct proportion word problems	2	/	2	U721
19	Percentage change without a calculator	3	/	3	U773
20	Adding and subtracting fractions	0	/	3	U736
21	Drawing stem-and-leaf diagrams	3	/	3	U200
22	Plans and elevations, Finding the volume of cylinders	1	/	3	U743, U915
23	Solving single inequalities	1	/	2	U759
24	Prime factor decomposition	2	/	2	U739
	Sharing amounts in a given ratio, Finding fractions and				U577, U881,
25	percentages of amounts	1	/	5	U554



Booklets



answer correct to 1 decimal place.

Using your analysis grids from your recent trial exam, identify the topics that you require more practice on.

Find these within the booklets accumulated over the year, read over the worked examples and then completed the associated worksheet.

Find the length of BC.

Give your answer correct to 3 s.f. 12.5cm

Enrichment (Past Paper Club)

In the run up to the real summer exams, each Wednesday we will offer a past paper club.

You will be given a past paper to complete with maths specialists on hand to support via 1-1 or live whole class modelling

Final answers are provided so you can self-assess easily and then identify the questions you need support with.

If you can't attend, then a paper will be given to you to take away and complete at home.



Revision Lists and Worksheets

GC	GCSE HIGHER REVISION LIST							
<u>Topic</u>	Blue Book	Link to DrFrost Exam Questions	<u>Sparx</u>	\bigcirc	<u>—</u>	②		
HCF & LCM using prime factors	1	<u>Factors and primes</u>	U250					
Indices 1 (Multiplying, dividing, power)	2	Indices 1	U235					
Indices 2 (Fractional and negative)	3	<u>Indices 2</u>	U772,U985					
Standard Form - Writing and Calculations	8	Standard form	U161,U264,U290					
Recurring decimals to fractions	9	Recurring decimals	U689					
Simplifying Surds	12	Surds 1a	U338,U633,U872					
Expanding brackets with surds	49	Surds 2a	U499					
Surds - Rationalising the denominator	49	Surds 2b	U707,U281					
Error Intervals	11	Accuracy and error	U301,U587,U657					
Upper & Lower Bounds	10	Upper and lower bounds	U657					
Limits of Accuracy	11	Accuracy and error	U587					
Counting Strategies		Counting strategies	U369					

For extra practice - Log in	to
your www.drfrostmaths.co	<u>mc</u>

Then use the links on the revision sheets to access the worksheets and practice all the key topics likely to be on the papers this summer.

GCSE FOUNDATION REVISION LIST										
<u>Topic</u>	<u>Green Book</u>	Link to DrFrost Exam Questions	<u>Sparx</u>	<u>•</u>	<u>—</u>	②				
Multiplying Decimals	7	Multiplying Decimals	U293							
Prime Factorisation	11	Prime Factorisation	U739							
Lowest Common Multiple	12	Lowest Common Multiple	U751							
Order of Operations	16	Order of Operations	U976							
Index Laws	9	Index Laws	U662, U694							
Standard Form (writing)	17	Standard Form - Writing	U330, U534							
Standard Form (Multiply & Divide)	18	Standard Form - Multiply and Divide	U264							

