UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND



PASSPORT

TO A MATHS GRADE C1



Торіс	Video	Practise	
Mean from a Grouped Table To be able to calculate the mean from a grouped frequency table. Exam Question a) Calculate the median foot Length. b) Calculate the mean foot length.	Foot Length (cm)Fr $5 < l \le 10$ 10 $10 < l \le 15$ 15 $15 < l \le 20$ 10	requency 5 17 8	
Sequences To be able to calculate the nth term rule of a linear sequence. Exam Question a) Find the nth term ru 7, 11, 15, 19, 23, b) What is the 20 th ter	http://goo.gl/Bcz6DL ule of this sequence.	http://goo.gl/MoxQ4k	
Cumulative FrequencyTo be able to plot a cumulative frequency graph.Draw aDraw aDraw aHeight (cm)Frequency0 < $h \le 10$ 10 < $h \le 10$ 10 < $h \le 20$ 20 < $h \le 30$ 30 < $h \le 40$	http://goo.gl/9uM8IG cumulative frequency graph and f 8 6 9	http://goo.gl/96dwcZ for the height of the plants.	











Algebra C1			
Find the midpoint of the following coordinates. (-4,6,) (10,-8)	Solve the following inequality $2x - 4 < 18$		
Solve the following equation 5x + 9 = 3x - 37	Solve the following pair of simultaneous equations. 3x + 2y = 22 $5x - 2y = 26$		
Factorise the following expressions: a) $4x + 20$ b) $3y^2 + 12y$ c) $x^2 + 4y - 21$	The equation of a line is y = 2x + 5 Write the equation of a line that is: a) Parallel to $y = 2x + 5$		
Solve using trial and improvement to 1dp. $2x^2 - 3x = 47$	Change the subject to <i>x</i> . <i>a)</i> $3x + t = y$ <i>b)</i> $\frac{x}{p} - pr = z$ <i>c)</i> $t(x + r) = p$		

Number C1

Evaluate the following:	There is a 45% sale.
<i>a</i>) 4 ⁰	How much did the doll
~	originally cost?
<i>b</i>) г ³	
D 5^{-1}	
c) $64^{\frac{1}{2}}$ d) 3^{-7}	Was:
You huy a new car for	Calculate the area of the
C2 E00 Vour car depreciates	tranozium
E2,500. Your car depreciates	
In value by 4% each year.	
How much is it worth after 1	
year?	
	✓ ★
	16 cm
Wayne Rooney's wage last	Simplify the following
Wayne Rooney's wage last year was £1,500,000 this	Simplify the following
Wayne Rooney's wage last year was £1,500,000 this year his wage is £1,750,000.	Simplify the following $\sqrt{24}$
Wayne Rooney's wage last year was £1,500,000 this year his wage is £1,750,000. What is the percentage	Simplify the following <i>a)</i> $\sqrt{24}$
Wayne Rooney's wage last year was £1,500,000 this year his wage is £1,750,000. What is the percentage change?	Simplify the following <i>a</i>) $\sqrt{24}$
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Mr Tait does a survey on how much people spend on school dinners in a week. How much do you spend on your lunch? 		The probability of winning a game of tiddly winks is $\frac{2}{5}$. If I play the game 150 times , how many times should I expect to win?
Calculate the mean from the table.Height (cm)Frequency $0 < h \le 10$ 9 $10 < h \le 20$ 7 $20 < h \le 40$ 8 $40 < h \le 50$ 6		Make comparisons between the ages at two separate golf clubs.
Calculate the Inte	erquartile Range	Draw a frequency polygon.Height (cm)Frequency $0 < h \le 10$ 9 $10 < h \le 20$ 7 $20 < h \le 40$ 8 $40 < h \le 50$ 6
50 40 30 30 30 30 30 30 30 30 30 3		A coin and a dice are thrown at the same time. Calculate the probability I get a head and an even number.



Edexcel Higher