



HOWDEN SCHOOL

Derwent Road • Howden • East Yorkshire • DN14 7AL
T: 01430 430448 • F: 01430 432435 • E: office@howdenschool.net
Headteacher: Mr G Cannon

16 July 2015

Dear Parent/Carer

As part of your child's long term preparation for the new GCSE mathematics examination that they will sit in 2018, we will be focusing on reviewing key Number and Measure skills during the first few weeks of year 9 in September.

During the first week back after the summer, your child will complete a test to assess them on their Number and Measure skills so that we can focus our teaching as effectively as possible during the first half term. They will then be re-assessed in October, before we move on to the next stage in the course. It will be very important that all students have met the required standards by that stage.

Your child has been made aware of the skills they are required to be confident with and a revision list to be used over the summer can be found on the reverse of this letter.

You will see that most topics on the revision list have a 'Mathswatch Clip No.' reference and your child can access help on these topics via www.mathswatchvle.com, where they should enter the following details:

Centre ID: howden
Username: same as their Howden School username (e.g. asmith13)
Password: hsmaths

Please note that in order to access the correct clips, your child must select the 'MathsWatch GCSE' icon in the bottom left of the page and then enter a clip number in the search box.

In addition to video clips providing explanations and practice questions, your child can also print out worksheets for further practice, for which answers are available on the website. I hope you and your child find this to be a useful form of support and please do not hesitate to contact me, by email or telephone at school, if you or your child need any further information. Technical help during the summer holiday may be available by contacting IT support at school.

Yours sincerely

Mr I Russell
Curriculum Area Leader of Mathematics

Report Bullying Concerns at beatbullying@howdenschool.net



Number and Measure Revision Topics with Revision Clip References

Level 1 Paper (all skills with and without a calculator)

Topic	Mathswatch Clip Number
Read and draw tables and graphs (bar graphs, timetables, mileage charts etc)	24, 25, 42, 43, 85
Order, add, subtract, multiply and divide quantities of money (inc. utility bills)	11, 64
Time – 12 and 24 hour clock, use and convert units of time, read timetables and calendars	25
Perimeter and Area of rectangles and compound shapes	33, 73
Volume of a cuboid	34
Multiples, factors, primes	44
Order, add and subtract negative numbers	99
Add, subtract, order and round integers and decimals	2, 3, 13, 16,
Multiply and divide integers and decimals	17, 18, 19
Fractions – order, simplify, convert to decimals, add and subtract fractions with same denominator (NOT mixed numbers)	10, 13, 48, 49, 56
Percentages – order, convert to fractions and decimals, calculate percentages (inc VAT)	51, 52, 53, 54, 93
Draw and measure lines and angles	31, 79
Know, read and use metric and imperial measures (length, weight, capacity) and convert metric measures	124

Level 2 Paper (Number and Measure Revision Topics with Clip References)

All of the level 1 content, *plus*:

Topic	Mathswatch Clip Number
Order, add, subtract, multiply and divide integers of any size (inc. negatives)	7, 16, 17,18
HCF and LCM	96
Squares, cubes and square roots (and indices for small positive integer powers)	9, 46
Add and subtract any decimal	16
Multiply decimals with up to 2 d.p. and round decimals to 2 d.p.	19
Use approximations to check solutions	14, 101
Multiply fractions, inc. mixed numbers	57
Divide fractions, inc. mixed numbers	57
USING A CALCULATOR	
Add and subtract any two fractions (inc. mixed numbers)	56(a)
Express one number as a fraction of another	92
Calculate percentage increase and decrease	93
Express one number as a percentage of another	92
Ratio - use direct proportion in simple problems	62
- use ratio notation	61
- divide a number into a 2 or 3 part ratio	94
Money – convert between currencies; calculate simple interest	64
Read decimal scales	4
Convert between metric and imperial units	
Calculate perimeter and area of rectangles, triangles, circles and semi-circles (and of composite shapes made from these shapes)	33,71, 72, 73
Volume of prisms and cylinders	122
Draw and interpret pie charts and frequency tables	86