



The Howard School



A Specialist Sports College
"To Strive and Achieve is to Succeed"

13th June 2022

Dear Parents/Carers

Re: Year 8 Test

I am writing to inform you that your child will be taking their End of Year Maths Test during week beginning **Monday 27th June 2022**. It is a non-calculator and calculator paper. This is an important test which is part of our continuous assessment to measure how much progress your child is making in Maths.

Your child should prepare for this test by revising and doing some practice questions. To help your child get the best results, I have included a list of the topics that will be examined below.

Please can you help your child to prepare for this exam properly by setting aside time for revision? Your child can revise by visiting vle.mathswatch.com, using their given username from their maths teacher and password is **circle**. They can browse through videos and do questions on each topic. In addition they can also practice exam style questions. Students should come with their equipment (pen, pencil, ruler, rubber, protractor, compass and calculator).

If there are any queries please contact me on 01634 388765 or email Mr Harman on harmanb@thehowardschool.co.uk

Yours sincerely

Mathematics Department

Revision List Year 8 End of Year Test

Number

- Division
- Calculating with negative integers
- Powers and roots
- Multiples and factors

Area and volume

- Area of triangle, parallelogram and a trapezium
- Volume of cubes and cuboids
- 2D representation of 3D solids
- Surface area of cubes and cuboids
- Measures

Statistics, graphs and charts

- Interpret pie charts
- Draw pie charts
- Construct and analyse stem and leaf diagrams
- Mode and median for grouped data
- Finding mean of continuous data
- Scatter diagrams
- Misleading graphs

Expressions and equations

- Algebraic powers
- Expressions and brackets
- Factorising expressions
- One-step equations
- Two-step equations
- The balancing method

Real-life graphs

- Conversion graphs
- Distance-time graphs
- Line graphs
- Real-life graphs
- Curved graphs

Decimals and ratio

- Ordering decimals and rounding
- Place value calculations
- Calculations with decimals
- Ratio and proportion with decimals

Lines and angles

- Quadrilaterals
- Alternate angles and proof
- Angles in parallel lines
- Exterior and interior angles

Calculating with fractions

- Ordering fractions
- Adding and subtracting fractions
- Multiplying fractions
- Dividing fractions
- Calculating with mixed numbers

Straight-line graphs

- Direct proportion on graphs
- Gradients
- Equation of straight line

Percentages, decimals and fractions

- Fractions and decimals
- Equivalent proportion
- Percentages of an amount