

## Year 10 Maths Revision Checklist

### Christmas Examination

- Topic 29 Fractions & Percentages (Chapter 4)**
- *Find fractions and percentages of quantities*
  - *Write one quantity as a fraction of another*
  - *Change between percentages, decimals and fractions*
  - *Perform calculations involving percentage change*
- Topic 31 Ratio (Chapter 5)**
- *Write a ratio*
  - *Simplify a ratio*
  - *Divide a quantity in a given ratio*
  - *Understand and use map ratios and scales*
  - *Understand direct proportion*
- Topic 32 Area 2 - Triangles and Parallelograms (Chapter 7)**
- *Know and use the formulae for area of a triangle and parallelogram*
  - *Find the area of composite shapes*
  - *Understand and use squares and square roots*
- Topic 33 Transformations 1 (Chapter 11)**
- *Understand how to reflect a shape in a mirror line*
  - *Translate a shape using a vector*
  - *Rotate a shape through  $90^\circ$  or  $180^\circ$  about a point*
  - *Describe transformations fully*
- Topic 34 Scale Drawings (Chapter 20)**
- *Draw and use scale drawings*
  - *Understand and use angles of elevation and angles of depression*
  - *Understand and use three figure bearings*
- Topic 35 Algebra and Polynomial Equations (Chapters 12&17)**
- *Solve simple equations involving fractions*
  - *Understand and use inequality symbols*
  - *Solve inequalities*
  - *Represent solutions on a number line*

**The majority of the exam will be based on the topics above, however, it is also expected that you will know all of your Year 8 & 9 work.** As well as using your jotters and homeworks for revision, there are several green pages in the text book which provide summary exercises that can be used at the end of certain chapters. On top of this, you can access 2 past papers on the VLE, and use the MyMaths site for additional questions and powerpoints.