

## HIGHER PAPER 1 NON CALCULATOR Revision List

multiply and divide decimals
<b>estimation</b>
multiples, factors and primes
functions
Surface area
Product of prime factors
LCM and HCF
<b>add and subtract fractions/mixed numbers</b>
<b>multiply and divide fractions/mixed numbers</b>
increase/decrease by percentage
writing percentages
averages from frequency tables
finding nth term quadratic
<b>ratio</b>
proportion
<b>speed or</b>
<b>density</b>
compound interest
bearing
<b>reverse percentages</b>
<b>angles in triangles</b>
angles in polygons
angles in parallel lines
<b>congruent</b>
<b>transformations</b>
enlarge negative scale factor
bisectors
plans and elevations
<b>expanding</b>

# factorising

rearrange formulae

area of triangles

area of trapezium

## volume of prisms

cylinders

cones

## spheres

drawing linear graphs

# $y=mx+c$

parallel and perpendicular lines

## pythag

trig

## similar shapes

area and volume of similar shapes

## probability

experimental probability

Cumulative frequency

mutually exclusive and exhaustive

expectation

## Venn diagrams

# powers

## standard form

# construct and solve linear equations

solve linear equations

solve simultaneous equations

## linear inequalities

graphical inequalities

## recurring decimals

# negative and fractional powers

## surds

limits of accuracy

quadratic graphs

solving quadratic equations by factorising

solving quadratic equations by completing the square

significant points of a quadratic graph

quadratic inequalities

sampling

frequency polygons

boxplots

## histograms

Scatter diagram

tree diagrams

## conditional probability

circle theorems

## direct/inverse proportion

distance time graphs

velocity time graphs

equation of circle graphs

cubic, exponential and reciprocal graphs

transforming graphs

algebraic fractions

## vectors

Area of a circle

converting between metric units of area/volume

substitution

mean from given means

# algebraic proofs

simple probability

sin, cos, tan graph

You can still use your individual login for MathsWatch to revise. If you have forgotten your login details, your Maths teacher can get this for you. Click on the videos tab and use the search function to search for any topic you'd like to revise. This is an excellent resource with videos, examples and practise questions.

You can also get the Maths revision books and workbooks from finance. They are £2.80 each and they have short revision notes, examples and practise questions. I would definitely recommend one of these books if you don't have one already.

These are topics we would recommend you revise. They are not all definitely on the paper; neither are they all the topics on the paper! However, they will give you a good basis to answer most questions. The bigger the type the more likely it is to appear! Remember, it is not always about answering the full question but instead getting as many method marks as possible.