

Year 11 Assessment A

Non-Calculator

Assessment 1: 22nd April 2021

Assessment 2: 23rd April 2021

Higher Tier

Paper A1 Topic List Use: vle.mathswatch.co.uk

Prime factor decomposition Decimal multiplication Pythagoras' Theorem Cumulative frequency diagrams: drawing and interpreting Probability tree diagrams Capture recapture Functions (composite and inverse) Surds (rationalising denominators, to include simplifying) Area of sectors and circles: forming and solving equations

Paper A2 Topic List

Use: vle.mathswatch.co.uk

Sequences – finding the nth term of a linear sequence Recognising graphs: cubic; quadratic; reciprocal Angles in parallel lines and triangles Compound measures ($Pressure = \frac{Force}{Area}$) Ratio to fraction conversions Reverse means Reverse percentages Negative and fractional indices Combining ratios Algebraic proof Finding equations of perpendicular lines Non-linear simultaneous equations Geometric proof

Volume of cone = $\frac{1}{3}\pi r^2 h$ Curved surface area of cone = πrl







Surface area of sphere = $4\pi r^2$



Formulae provided to you in the assessment include those overleaf. Questions involving spheres and cones will have the formulae provided in the question.

Revision?

- 1) Complete the work set on vle.mathswatch.co.uk
- This work will be specific to your upcoming assessments.
- 2) Watch the associated videos if you are stuck.
- Utilise the practice exam packs you have been given. Worked solutions for each pack are on classcharts.
- 4) Utilise corbettmaths.com for further videos



Revision?

- Complete the work set on vle.mathswatch.co.uk
- This work will be specific to your upcoming assessments.
- 2) Watch the associated videos if you are stuck.
- Utilise the practice exam packs you have been given. Worked solutions for each pack are on classcharts.
- 4) Utilise corbettmaths.com for further videos





GCSE Mathematics Practice Tests: Set 1

Formulae provided in the assessments (H)



The solutions of $ax^2 + bx + c = 0$, where $a \neq 0$, are given by $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2}$