



Subject	Mathematics (Foundation Tier)		
Title/Topic	Format	Length	Date & Time
Paper 1 – Non Calculator	Written Exam	1 hour 30 minutes	Wed 15 March 12.40pm
Paper 2 – Calculator Allowed	Written Exam	1 hour 30 minutes	Wed 16 March 12.40pm

This assessment will test my knowledge on...

This assessment information lists topics that you may be tested on. **Not all topics will be on your test.** The foundation assessment is for students in 11X4, 11X5, 11Y3 & 11Y4.

Number

- Place value / Prime numbers
- Rounding & Significant figures
- Indices laws
- Decimal multiplication / Four operations
- Negative numbers
- Adding / Subtracting Fractions
- Fractions of amounts
- Converting fractions to decimals / percentages
- Calculations in standard form
- Money problems
- Units of measurement
- Inequalities
- Using a calculator
- Square numbers, cube numbers, cube roots
- HCF and LCM

Algebra

- Linear sequences
- Fibonacci sequences
- Double inequalities
- Linear equations
- Forming equations
- Coordinates
- Distance-Time problems
- Gradients / Intercepts / Equation of Line
- Solving equations
- Changing the subject of formulae
- Substitution and simplification

Ratio

- Average speed
- Capacity / Rates
- Conversion problems
- Currency & Time
- Direct and Inverse proportion
- Density
- Sharing in a given ratio
- Ratios in the form 1: n and n:1
- Percentage increase / decrease
- Percentages of amounts
- Scale diagrams

Geometry

- Circles, arcs, sectors
- Congruency
- Transformations of shapes
- Symmetry
- Pythagoras theorem & Trigonometry
- Names and properties of shape
- Area of shapes including surface area
- Volume of cuboids
- Angle facts
- Column vectors

Statistics

- Mean, median, mode & range
- Composite bar charts, vertical line charts
- Correlation and lines of best fit
- Pictograms, pie charts, two-way tables & Venn diagrams

Probability

- Frequency trees, probability from diagrams, relative frequency



What should I do to revise and prepare for this assessment?

To prepare for this assessment:

1. Study carefully the topic list provided for you above. **Work through each of the Sparx Maths tasks as part of your homework.** After half term, your teacher will give you a list of sparx tasks you can attempt in addition to your homework to help you prepare for your mock.
2. Complete the weekly past paper tasks as part of **Project 25**. It is important you attempt all questions, check your answers using the available mark scheme and then write in any corrections from the mark scheme with your red pen. Record your performance on the summary sheet in your booklet, marking on any questions you want your teacher to review or revisit.
3. **Study the knowledge organisers** booklet provided to you. You should use the technique of **'look, cover, check'** to ensure you can recall all of the key facts and techniques for the identified topics.
4. **Listen attentively during your Past Paper sessions** which will take place in your Project 25 Friday lessons each week. Your teacher will provide you with a number of key tips to help you succeed. They will highlight questions on the content listed above.

What useful websites/resources could I use to help me prepare?

Project 25 Papers.
Revision Workbooks.

You can access revision lessons on Sparx Maths and Hegarty Maths.

www.sparxmaths.uk/student

www.hegartymaths.com