



Subject	Mathematics		
Title/Topic	Format	Length	Date
Paper 1 – Non Calculator	Written Exam	45 minutes	Mon 5 June
Paper 2 – Calculator	Written Exam	45 minutes	Tue 6 June (X) Wed 7 June (Y)
Paper 3 – Calculator	Written Exam	45 minutes	Thu 8 June
Paper 4 – MCQ Non Calculator	Multiple Choice Test	45 minutes	Mon 12 June

This assessment will test my knowledge on...

You will sit **four assessment papers** for your end of year assessments. Each assessment will be of equal challenge but they will progress in difficulty through the paper. They will test you on your understanding of the concepts studied so far in Year 9 which build upon your study in Year 7 & 8. The **core concepts** you will be tested on are listed below, but questions may draw on any content we have covered so far in Key Stage 3.

- Draw **straight line graphs**, write the equation of a straight line and understand lines that are parallel and perpendicular
- **Solve equations and inequalities**, including those with unknowns on both sides, while also being able to rearrange formulae
- **Test conjectures** to prove whether they are always, sometimes or never true
- Recognise different **3D shapes**, drawing nets, plans and elevations and finding the total surface area and volume
- Draw accurate **constructions of loci & bisectors** and also recognise congruency with triangles
- Use my **number skills** to calculate with surds, solve problems in context and recap my skills with fractions and standard form
- Solve problems with **reverse and repeated percentage change**
- Use **maths with money** by calculating interest, finding prices with VAT, calculating wages and taxes and solving problems with exchange rates
- Use skills of **deduction** to solve problems with angles using geometric reasoning
- **Rotate and translate** shapes around lines and coordinate points
- Use **Pythagoras' theorem** to find missing lengths
- Solve problems involving **direct proportion, inverse proportion and ratio**
- Use tree diagrams to solve problems with **probability**



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

To prepare for this assessment:

1. Look back at the **question level analysis feedback from your Advent assessment** on go4schools to see which topics you did well on and which need your attention.
2. Work through, complete and self-mark the questions in your **End of Year Revision Booklet**. Use this to diagnose the units you need to focus your revision on
3. Complete the **practice assessment** and self-mark (or ask a parent to do it for you)
4. Once you have diagnosed the topics with which you want to do further practice, use the **Sparx codes sheet to access the independent learning tasks** for those topics. You can practice questions and watch the supporting videos to help you. Once you have revised each topic, tick them off as completed on your list.
5. Use look, cover, check using the **knowledge organisers** in the back of your revision workbook.
6. Review the results from your unit **knowledge check assessments** at the back of your workbooks and revisit the small steps for which you have weakness.
7. You should **re-watch the lesson videos** for your identified weaknesses and try the worksheet and check it questions.

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

You can access all the resources from this academic year here:

<https://www.delisle.org.uk/3345/year-9-maths-advent>

<https://www.delisle.org.uk/4426/year-9-maths-lent>

<https://www.delisle.org.uk/4675/year-9-maths-pentecost>

You can use Sparx Revision List located in your revision workbook to pick out topics on independent learning on Sparx that could help you with your revision. You will also find the knowledge organisers at the back of your unit workbooks and in the revision booklet.

www.sparxmaths.uk/student

If you have purchased one, you could practise more questions from the Year 9 course text book.