

YEAR 8 Mathematics Exam Parents Information

In the next couple of weeks, your son will be sitting a Mid-year Review Exam. For boys in an **8Y** group this will take place on **Thursday 1st Feb** whilst boys in the **8X** or **8Z** groups will take place on **Friday 2nd February**. The paper will last 50 minutes and will be completed during normal lesson time.

Topics for Revision

A list of topics can be found on the Homework and Progress record found at the back of your son's blue book

Tracking & Target Setting in Mathematics.

Meeting – The student is able to recall and use knowledge on a given content.
(Long Term Trajectory towards GSCE Grade 5).

Exceeding – The student can select and apply mathematical methods to solve more complex problems in a range of contexts (Long Term Trajectory towards GSCE Grade 6/7).

Surpassing – The student can interpret and analyse problems, making links and connections between different topic areas in order to solve them (Long Term Trajectory towards GSCE Grade 8/9).

Example Question– Standard form

Meeting

Write each of the following numbers in standard form:

a) 3,740,000

b) 0.000629

Change each of the following numbers from standard form to ordinary numbers:

a) 6.72×10^8

b) 3.421×10^{-2}

Exceeding

Bob the Rubbish Mathematician has failed to put these numbers in standard form correctly. Fix them so they are in correct standard form notation.

a) 123×10^5

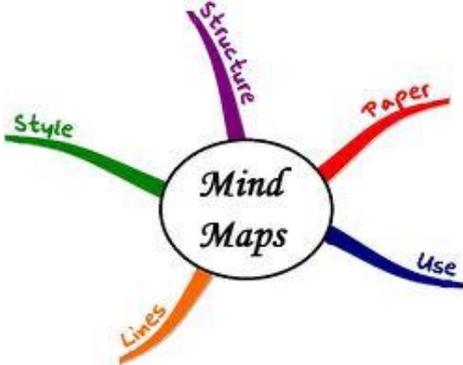
b) 0.65×10^4

Surpassing

Calculate how many times the hour hand on a clock turns in one year (assume it is 365 days). Write your answer in standard form. (You must show your workings)

SUGGESTED REVISION TECHNIQUES AND STRATEGIES

There are lots of ways to revise for mathematics and some possible methods are suggested below. The key is to make revision ACTIVE. Simply reading over notes is never an effective way to prepare for an exam or to commit knowledge and understanding to long term memory

<p>Creating revision mindmaps for each topic</p> 	<p>Creating flash cards that you can be tested on</p>  <p>The act of making them is good revision as well as using them.</p>	<p>Using any of the following for revision or to answer questions you are stuck on</p> <p style="text-align: center;">BBC bitesize www.bbc.co.uk/education</p> <p style="text-align: center;">CorbettMaths corbettmaths.com</p> <p style="text-align: center;">S-Cool www.s-cool.co.uk</p>
<p>Consider buying an app for your phone/tablet so you can practise on the go! Good examples are: Maths GCSE App Collins Revision App PocketRevison.co.uk</p>	<p>Copying out your notes again or use the LOOK, COVER WRITE CHECK method. DO NOT just read from your notebook/exercise book!</p>	<p>Being aware of your learning style This link educationforum.co.uk/learning.htm will give more revision ideas for different learning styles</p>
<p>Consider buying a revision guide and/or answering exam style questions. You can find a list of topics that you are coving this year on your homework and progression record sheet in your blue exercise book.</p>	<p>Watching clips on Youtube or CorbettMaths for topics you are struggling with.</p>	<p>Trying to answer just a few maths questions a day is a great way of improving your understanding of a topic. Practice makes perfect!!</p>