



Mathematics Homework - Year 7
Autumn 1 - 'Number Essentials, Area & Perimeter'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students need to complete the 4-week block of compulsory tasks. These tasks will be set based on content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week. Start date will be told by teachers in September.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. MME – decimal calculations</p> <p>A website to read through and help improve your maths understanding.</p> <p>Addition, subtract, multiplication and division of decimals</p>	<p>3. UKMT Maths challenge.</p> <p>For learners who want to test themselves outside of the regular maths curriculum. We enter students in year 8 for the Junior maths challenge. A sample of questions is linked here:</p> <p>JMC 2021</p>
<p>4. Ace Maths videos</p> <p>Youtube channel to help aid retrieval of KS3 maths concepts. Negative numbers is one of the topics this half term.</p> <p>KS3 videos - negative numbers</p>	<p>5. Murderous Maths: Guaranteed to Bend your Brain</p> <p>"It's maths with the laughter added in and the boredom taken away – plus heaps of easy ways to understand tough concepts that would normally melt your brain."</p> <p>Murderous maths 1</p>	<p>6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost). Try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>



Mathematics Homework - Year 7
Autumn 2 - 'Number Essentials & Statistics'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students need to complete the 5-week block of compulsory tasks. These tasks will be set based on content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week. The start date will be told by teachers after the half term break.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. Bitesize - sequences</p> <p>A website to read through and help improve your maths understanding.</p> <p>Bitesize sequences</p>	<p>3. NRICH</p> <p>A website where learners are challenged to think differently. Link to an example problem:</p> <p>Sticky numbers NRICH</p>
<p>4. Quick retrieval quizzes</p> <p>Test your knowledge with quick quizzes on maths you are currently learning</p> <p>KS3 maths quizzes</p>	<p>5. Murderous Maths: Guaranteed to Mash your Mind</p> <p>"It's maths with the laughter added in and the boredom taken away – plus heaps of easy ways to understand tough concepts that would normally melt your brain."</p> <p>Murderous Maths 2</p>	<p>6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost). Try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>



Mathematics Homework - Year 7
Spring 1 - 'Algebra Introduction, Fractions & Angles'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students to complete the 4-week block of compulsory tasks. These tasks will be set based on the content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. MME – Algebra, Fractions & Angles</p> <p>A website to read through and help improve your maths understanding.</p> <p>MME Collect Like Terms MME Fractions MME Angles</p>	<p>3. UKMT Maths challenge.</p> <p>For learners who want to test themselves outside of the regular maths curriculum. We enter students in year 8 for the Junior maths challenge. A sample of questions is linked here:</p> <p>JMC 2015</p>
<p>4. Minity Maths videos</p> <p>Youtube channel to help aid retrieval of KS3 maths concepts. Algebra, fractions & angles are some of the topics this half term.</p> <p>Algebra Introduction Fractions Basic Angle Rules</p>	<p>5. Blockhead: The Life of Fibonacci</p> <p>As a young boy in mediaeval Italy, Leonardo Fibonacci thought about numbers day and night. He was such a daydreamer that people called him blockhead. He realised that many things in nature, from the number of petals on a flower to the spiral of a nautilus shell, seem to follow a certain pattern.</p> <p>Blockhead: The Life of Fibonacci</p>	<p>6. 6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost), try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>



Mathematics Homework - Year 7
Spring 2 - 'Coordinate Geometry, Fractions, Decimals, Percentages & Probability'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students need to complete the 4-week block of compulsory tasks. These tasks will be set based on content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week. Start date will be told by teachers in September.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. MME – Graphs, FDP & Probability</p> <p>A website to read through and help improve your maths understanding.</p> <p>MME Drawing Straight Line Graphs MME Fractions, Decimals & Percentages MME Probability</p>	<p>3. UKMT Maths challenge.</p> <p>For learners who want to test themselves outside of the regular maths curriculum. We enter students in year 8 for the Junior maths challenge. A sample of questions is linked here:</p> <p>JMC 2016</p>
<p>4. Minity Maths videos</p> <p>Youtube channel to help aid retrieval of KS3 maths concepts. Coordinates and FDP are some of the topics this half term.</p> <p>Coordinates Fractions, Decimals & Percentages</p>	<p>5. On a Beam of Light: A Story of Albert Einstein</p> <p>Travel along with Einstein on a journey full of curiosity, laughter and scientific discovery.</p> <p>On a Beam of Light: A Story of Albert Einstein</p>	<p>6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost). Try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>



Mathematics Homework - Year 7
Summer 1 - 'Equations, Symmetry & Transformations, Data Interpretation'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students need to complete the 4-week block of compulsory tasks. These tasks will be set based on content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week. Start date will be told by teachers in September.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. MME – Comparing Data and Transformation</p> <p>A website to read through and help improve your maths understanding.</p> <p>Comparing Data Transformations</p>	<p>3. UKMT Maths challenge.</p> <p>For learners who want to test themselves outside of the regular maths curriculum. We enter students in year 8 for the Junior maths challenge. A sample of questions is linked here:</p> <p>JMC 2017</p>
<p>4. Maths Coach videos</p> <p>Youtube channel to help aid retrieval of KS3 maths concepts. Solving Equations is one of the topics this half term.</p> <p>KS3 videos - Solving Equations</p>	<p>5. The Boy Who Loved Math: The Improbable Life of Paul Erdős</p> <p>This is a beautiful introduction to the world of maths and a fascinating look at the unique character traits that made "Uncle Paul" a great man.</p> <p>The Boy who Loved Maths</p>	<p>6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost). Try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>



Mathematics Homework - Year 7
Summer 2 - 'Data Interpretation, Ratio Introduction, 3D Geometry, Number Properties'

Retrieval	Reading	Rewarding
<p>1. Sparx tasks</p> <p>All students need to complete the 4-week block of compulsory tasks. These tasks will be set based on content covered in lessons.</p> <p>Set on Wednesday and due Wednesday the following week. Start date will be told by teachers in September.</p> <p>Sparx student login</p> <p>COMPULSORY</p>	<p>2. MME – decimal calculations</p> <p>A website to read through and help improve your maths understanding.</p> <p>Prime Factors LCM and HCF</p>	<p>3. UKMT Maths challenge.</p> <p>For learners who want to test themselves outside of the regular maths curriculum. We enter students in year 8 for the Junior maths challenge. A sample of questions is linked here:</p> <p>JMC 2018</p>
<p>4. Cognito videos</p> <p>Youtube channel to help aid retrieval of KS3 maths concepts. Ratio is one of the topics for this half term</p> <p>Converting Ratio to Fractions</p>	<p>5. Infinity and Me</p> <p>Uma can't help feeling small when she peers up at the night sky. She begins to wonder about infinity. Is infinity a number that grows forever? Is it an endless racetrack? Could infinity be in an ice cream cone?</p> <p>Infinity and Me</p>	<p>6. Sparx XP boost, Target and Independent learning</p> <p>Boost your XP with more tasks that are similar (XP boost), try harder tasks to improve your understanding with "Target", or try something different using the "Independent learning section".</p>