

Year 8 Mathematics – Mid-Year Exam 2011 Study Guide

Topic	Concepts	Textbook Chapter
Review of Year 7 work	<ul style="list-style-type: none"> * fractions, decimals, integers (positive & negative numbers) * plane shapes, solid shapes * angles * measurement 	1
Calculator	<ul style="list-style-type: none"> * be thoroughly competent in use of your calculator * BRING IT TO THE EXAM!! 	17
Pythagoras Theorem	<ul style="list-style-type: none"> * labelling the hypotenuse * calculating the hypotenuse * calculate the length of a shorter side * testing if a triangle is right angled * problem solving using Pythagoras' Theorem 	3
Percentages	<ul style="list-style-type: none"> * converting between fractions, decimals and percentages * find the percentage of a quantity * one quantity as a percentage of another (percentage composition) * percentage increase and decrease * problem solving using percentages * simple interest and commission * finding the whole quantity if a percentage is known 	4
Algebra	<ul style="list-style-type: none"> * adding and subtracting like terms * multiplication of pronumerals * division of pronumerals * removing grouping symbols (expanding brackets) * factorising * algebraic fractions 	5

Tips for Studying

- Complete all revision Sheets (and keep them together)
- Redo all topic tests
- Diagnostic Tests and Revision Assignments are located at the end of each textbook chapter
- Use Mathletics
- Practice, practice, practice, practice.....