



DAARUL QUR'AN INTERNATIONAL SCHOOL

SCHEME OF WORK SEMESTRAL I

MATHEMATICS GRADE 7 (SECONDARY 1/PRE-IGCSE)

ACADEMIC YEAR 2008/2009

Sem/Week	No. of Period	Content/Topic	Learning Objectives	Learning Activities	Learning Evaluation	Resources	Remarks
I/1-2	12	Topic 1 NUMBER: 1. Properties	At the end this chapter, the students should be able to: 1. understand place value in whole numbers and decimals	<ul style="list-style-type: none"> • Explicit Teaching • Class Participation • Investigation 	<ul style="list-style-type: none"> • Course Work • Oral Participation 	New Mathematics Count 1 PP 68 Checkpoint Maths 1 PP 2 Mathematics Workbook	
I/3-4	12		2. use the four rules of computation for calculations	<ul style="list-style-type: none"> • Explicit Teaching • Class Participation • Presentations 	<ul style="list-style-type: none"> • Course Work • Partner Project 	New Mathematics Count 1 PP 13 Mathematics Workbook	
I/5-6	12		3. understand the relationship between decimals, fractions and percentages and be able to convert between them	<ul style="list-style-type: none"> • Explicit Teaching • Class Participation • Presentations 	<ul style="list-style-type: none"> • Course Work • TOPIC TEST 	Checkpoint Maths 1 PP 70-82 Mathematics Workbook	
I/7-8	12		4. use prime numbers, common factors and common multiples, squares, square roots and cubes of numbers	<ul style="list-style-type: none"> • Presentations • Explicit Teaching • Open-Ended Problem 	<ul style="list-style-type: none"> • Course Work • Quizzes 	Checkpoint Maths 1 PP 41-47 Checkpoint Maths 1 PP 27 Mathematics Workbook	
I/9	6		5. order quantities by magnitude and be familiar with the symbols =, \neq , $>$, $<$, $= $ $= $	<ul style="list-style-type: none"> • Explicit Teaching • Class Participation • Investigation 	<ul style="list-style-type: none"> • Course Work • Oral Participation 	Mathematics 6 th Edition PP 31-50 Checkpoint Maths 2 PP 60 Mathematics Workbook	
I/10	6		6. use the standard form $A \times 10^n$ where n is a positive whole number and $1 \leq A < 10$	<ul style="list-style-type: none"> • Explicit Teaching • Class Participation • Investigation 	<ul style="list-style-type: none"> • Course Work • CHAPTER TEST 	Checkpoint Maths 1 PP 2 Mathematics Workbook	
I/11	6	2. Problem Solving	1. calculate the percentage of a quantity; express one quantity as a percentage of another	<ul style="list-style-type: none"> • Investigations • Presentations • Explicit Teaching • Individual project 	<ul style="list-style-type: none"> • Course Work • Quizzes 	Checkpoint Maths 1 PP 84,104 Mathematics Workbook	
I/12	6		2. use negative numbers in context	<ul style="list-style-type: none"> • Explicit Teaching • Class 	<ul style="list-style-type: none"> • Course Work 	New Mathematics Count 1 PP 6-7 Mathematics 6 th Edition	

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				Participation • Presentations	• Oral Participation	PP 31 Mathematics Workbook	
I/13	6		3. recognise the notation of ratio, use ratio and direct proportion in context	• Explicit Teaching • Team project • Class Participation • Presentations	• Course Work • Team Project	Checkpoint Maths 1 PP 137 Mathematics Workbook	
I/14	CHAPTER TEST AND SEMESTRAL EXAM PREPARATION						

Prepared by: Pati Gamala (Maths Teacher)

Submitted to: Adinas Juhana (HOD-Mathematics)

**Note by:
Secondary Principal**

Ifan Mulfiana, S.Pd.MM

LESSON PLAN

SUBJECT : MATHEMATICS
 TOPIC : NUMBER (PROPERTIES)
 Duration : 02 Period (70 minutes)

Class : 7 (Secondary 1/Pre-IGCSE)
 Subtopic : Place Value and Decimals
 Time : 07.10 pm to 08.00

Date : July 2008
 Sem/Week : I/1

Objectives	Activity	Time	Resources
By the end of the lesson, students should be able to:			
1. Identify whole number, even and odd number, and represent them on number lines	<ul style="list-style-type: none"> • Individual recitation and investigate place value table on page 2 	10 min	<ul style="list-style-type: none"> • New Mathematics Count 1 Chapter "Number, Factor, and Multiples" By Tay Choon Hong, et.al 2004 Text Book • Checkpoint Maths 1 Chapter "Number" By Ric Pimentel, et.al 2004 Text Book
2. Name the place value of a digit in a number	<ul style="list-style-type: none"> • Look at number lines for example. This figure can be rounded (approximated) the number 	10 min	
3. Show addition and subtraction on number lines	<ul style="list-style-type: none"> • Explore exercise on page 71 	20 min	
4. Write decimals in expanded form	<ul style="list-style-type: none"> • Oral participation 	10 min	
5. Round of decimals	<ul style="list-style-type: none"> • Real-life mathematics investigation 	20 min	

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