

MATHEMATICS _2025 WEEKLY TEACHING PLAN _ GRADE 7

TERM 1	Week 1 3 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 4 days	Week 11 5 days	
Hours per topic	16 hrs.				2 hrs.	10 hrs.		11.5 hrs.			3.5 hrs.	4.5 hrs.
% Coverage	10.7%					6.6 (17.3%)		7.7 (25%)				
Topics, concepts and skills	WHOLE NUMBERS - Revise the following: - Ordering and comparing whole numbers - Properties of operations with whole numbers - Calculations using all operations with whole numbers Calculation techniques - Use any strategy to perform and check written and mental calculations of whole numbers including: - long division - adding, subtracting and multiplying in columns - estimation - rounding off and compensating - using a calculator N.B. Calculator is only used to check the correctness of the answer Multiples and factors - List prime factors of numbers to at least 3-digit whole numbers - Find the LCM and HCF of whole numbers by inspection or factorisation Solving problems - Solve problems involving whole numbers, including: - Comparing of two or more quantities of the same kind (ratio) - Comparing two quantities of different kinds (rate) - Sharing in a given ratio where the whole is given - Solve problems that involve whole numbers, percentages and decimal fractions in financial contexts such as: - profit, loss and discount - budgets - accounts - loans - simple interest				FORMAL ASSESSMENT TASK ASSIGNMENT Whole numbers N.B. Assignment to be done in class over 2 hrs	COMMON FRACTIONS: Ordering, comparing and simplifying common fractions - Extend to thousandths Calculations with fractions - Addition and subtraction of fractions including mixed numbers where one denominator is not a multiple of the other. - Multiplication common fractions, including mixed numbers, not limited to fractions where one denominator is a multiple of another. Calculation techniques - Convert mixed numbers to common fractions in order to perform calculations with them - Use knowledge of multiples and factors to write fractions in the simplest form before or after calculations. - Use knowledge of equivalent fractions to add and subtract common fractions Percentages - Calculate the percentage of part of a whole - Calculate percentage increase or decrease of whole numbers Solving problems - Solve problems in contexts involving common fractions and mixed numbers, including grouping and sharing; and finding fractions of whole numbers - Solve problems in contexts		DECIMAL FRACTIONS: Ordering and comparing decimal fractions - Count forwards and backwards in decimal fractions to at least 3 decimal places - Place value of decimals to at least 3 decimal places - Order and compare decimal fractions to at least 3 decimals - Rounding off decimal fractions to at least 2 decimal places DECIMAL FRACTIONS: Calculations with decimal fractions - Addition and subtraction to decimal fractions of at least three decimal places - Multiply decimal fractions to include: - decimal fractions to at least 3 decimal places by whole numbers - Decimal fractions to at least 2 decimal places by decimal fractions to at least 1 decimal place - Divide decimal fractions to include decimal fractions to at least 3 decimal places by whole numbers Calculation techniques - Use knowledge of place value to estimate the number of decimal places in the result before - Use rounding off and a calculator to check results where appropriate Solving problems - Solve problems in context involving decimal fractions Equivalent forms - Recognize equivalence between common fraction and decimal fraction forms of the same number - Recognize equivalence between common fraction, decimal fraction and percentage forms of the same number			REVISION	FORMAL ASSESSMENT TASK TEST All term 1 topics

Prerequisite skill or pre-knowledge	• Order, compare, represent and place value of 9-digit numbers • Rounding off to the nearest 5;10;100;1000;10 000; etc. • All operations with whole numbers • Multiples and factors of 3-digit whole numbers • Prime factors of 2-digit whole numbers up to 100 • Properties of operations with whole numbers • Identity element of 0 and 1		• Ordering and comparing fractions specifically Tenths and hundredths • Addition and subtraction of common fractions, including mixed numbers where one denominator is a multiple of another • Recognize and use equivalent forms of common fractions with 1-digit or 2-digit denominators • finding fractions of whole numbers • Finding percentages of whole numbers • Equivalence between fractions and percentage forms of the same number	• Count forwards and backwards in decimal fractions to at least two decimal places • Compare and order decimal fractions to at least two decimal places • Place value of digits to at least two decimal places • Rounding off decimal fractions to at least 1 decimal place • Addition and subtraction of decimal fractions of at least two decimal places • Multiplication of decimal fractions by 10 and 100 • Equivalence between fractions and percentage forms of the same number		
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