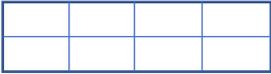




Lode Heath School
Mathematics Department
Year 9 Foundation

Assignment Title	Unit 4: Fractions and percentages	Date set	Spring 1
Summary of Unit 4		Key Words	
Calculate using fractions and percentages. Convert between fractions, decimals and percentages. Calculate percentage increase and decrease.		Addition, subtraction, multiplication, division, fractions, mixed, improper, recurring, integer, decimal, percentage, VAT, increase, decrease, multiplier, profit, loss.	
Prior Knowledge:			
<p>1) Calculate: a) $356 + 215$ b) $243 - 175$ c) 24×36 d) $616 \div 4$</p> <p>2) What are the common factors of 12 and 20?</p> <p>3) Shade $\frac{3}{8}$ of the rectangle </p> <p>4) What is 25% as a) a fraction? b) a decimal?</p>			

LEARNING JOURNEY

Level	Task Description
1-4	4.1 Working with fractions Compare fractions. Add and subtract fractions. Use fractions to solve problems.
2-4	4.2 Operations with fractions Find a fraction of a quantity or measurement. Use fractions to solve problems.
2-4	4.3 Multiplying fractions Multiply whole numbers, fractions and mixed numbers. Simplify calculations by cancelling.
3-5	4.4 Dividing fractions Divide a whole number by a fraction. Divide a fraction by a whole number or a fraction.
2-3	4.5 Fractions and decimals Convert fractions to decimals and vice versa. Use decimals to find quantities. Write one number as a fraction of another.
2-3	4.6 Fractions and percentages Convert percentages to fractions and vice versa. Write one number as a percentage of another.
2-4	4.7 Calculating percentages 1 Convert percentages to decimals and vice versa. Find a percentage of a quantity. Use percentages to solve problems. Calculate simple interest.
2-5	4.8 Calculating percentages 2 Calculate percentage increases and decreases. Use percentages in real-life situations. Calculate VAT (value added tax).