

Maths Self-Planner for use with MathSphere Calculations CDs Lee Madderson Headteacher Acomb First School
Digital Work – Fractions / Decimals Yr. 4 (b)

Objectives and statements	Program and section	Sub-section	Pupil	Teacher
<p>Find fractions of numbers, quantities or shapes (e.g. $\frac{1}{5}$ of 30 plums, $\frac{3}{8}$ of a 6 by 4 rectangle).</p> <p><i>I can find a fraction of a shape drawn on squared paper.</i></p> <p><i>I can find a fraction of a number of cubes by sharing them in equal groups.</i></p> <p><i>I can represent finding a fraction of a number of objects pictorially.</i></p> <p><i>I can find the fraction of an amount, such as $\frac{2}{5}$ of £10.</i></p> <p>Identify pairs of fractions that total 1.</p> <p><i>Using diagrams, I can find pairs of fractions that make 1 whole.</i></p>	See programs and sections on sheet (a)			

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Digital Work – Fractions / Decimals Yr. 4 (c)

Objectives and statements	Program and section	Sub-section	Pupil	Teacher
<p>Use decimal notation for tenths and hundredths and partition decimals; relate the notation to money and measurement; position one-place and two-place decimals on a number line.</p> <p><i>I can use decimals when I work with money and measurement.</i></p> <p><i>I can order numbers involving decimals in the context of money or measurements.</i></p> <p><i>I can write lengths like 5 metres and 62 centimetres using decimal points</i></p> <p><i>I know how to use decimal notation to write numbers such as one and one tenth, two and three tenths, three hundredths.</i></p> <p><i>I can write two pounds forty and three pounds seven pence using decimal points.</i></p> <p><i>I can put three numbers written in decimal notation in the correct places on a number line.</i></p>	Numbers 4. – 4028 Use decimal notation	Decimal abacus		
		Pence to pounds		
		Pounds to pence		
		Ordering decimals		
		Ordering decimals (2)		

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Digital Work – Fractions / Decimals Yr. 4 (d)

Objectives and statements	Program and section	Sub-section	Pupil	Teacher
<p>Recognise the equivalence between decimal and fraction forms of one half, quarters, tenths and hundredths.</p> <p><i>I know that $\frac{1}{2}$ can also be written as 0.5, $\frac{1}{4}$ as 0.25 and $\frac{3}{4}$ as 0.75.</i></p> <p><i>I know that one tenth can be written as $\frac{1}{10}$ or as 0.1 and that one hundredth can be written as $\frac{1}{100}$ or 0.01.</i></p> <p><i>I know that $\frac{25}{100}$ is the same as 0.25. It is also the same as $\frac{1}{4}$.</i></p> <p><i>I know that two quarters, five tenths and fifty hundredths are the same as one half.</i></p> <p><i>I know that one tenth is equivalent to ten hundredths and can relate this to decimal place value.</i></p> <p><i>I can recognise decimals and fractions that are equivalent</i></p>	<p>Numbers 4. – 4030 Equivalence between decimals and fractions</p>	<p>Equivalence between decimals and fractions</p>		
<p>Use the vocabulary of ratio and proportion to describe the relationship between two quantities (e.g. 'There are 2 red beads to every 3 blue beads, or 2 beads in every 5 beads are red'); estimate a proportion (e.g. 'About one quarter of the apples in the box are green').</p> <p><i>I can solve simple ratio and proportion problems.</i></p>	<p>Numbers 4. – 4026 Ratio and proportion</p>	<p>Ratio: one for every two/three</p> <p>Ratio: two for every ten</p>		