Admiralty Primary School 2023 Primary 4 Mathematics Lesson Focus

Semester 1

Key Concepts	Learning Objectives	Maths Vocabulary
Counting relates to finding how many Comparing numbers shows the relative values of numbers	 Recognise number notation and the respective place value of each digit Compare and order numbers within 100 000 Identify patterns in number sequences 	
-actors and Multiples – Pupils Wi	Il learn about factors and multiples, and how t	
Key Concepts	Il learn about factors and multiples, and how to Learning Objectives	they are related. Maths Vocabulary

Key Concepts	Learning Objectives	Maths Vocabulary
 Multiplication is conceptualised from repeated addition of equal-sized groups of objects Division is conceptualised as equal sharing or equal-sized grouping of objects 	 Multiply and divide numbers up to 4 digits by a 1-digit number, and numbers up to 3 digits by a 2-digit number Solve non-routine word problems involving the four operations 	
Fractions – Pupils will learn abou and fractions of a set.	t mixed numbers, improper fractions, compa	rison of fractions, adding and subtracting fractions
Key Concepts	Learning Objectives	Maths Vocabulary
 A mixed number is the sum of a whole number and a proper fraction An improper fraction is a fraction with a numerator equal to or greater than the denominator A fraction may be expressed as a part of a set of objects 	 Convert between mixed numbers and improper fractions Compare and order fractions involving mixed numbers and/or improper fractions Add or subtract unrelated fractions Solve problems involving fraction of a set 	

Key Concepts	Learning Objectives	Maths Vocabulary
 An angle is a measure of the amount of turning made between two straight lines about a point 	 Name an angle (e.g. ∠ABC or ∠b) Measure and draw an angle using a protractor Relate ½ turn, ½ turn, ¾ turn and a complete turn to a turn of 90°, 180°, 270° and 360° respectively Solve problems involving the directions based on an 8-point compass 	
Squares and Rectangles – Pupils	will learn the properties of squares and rectangles	s, how to draw them, and how to find unkno
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sides and angles. Key Concepts	Learning Objectives	Maths Vocabulary

Admiralty Primary School 2021 Primary 4 Mathematics Lesson Focus

Semester 2

Key Concepts	Learning Objectives	Maths Vocabulary
Place value concepts involving tenths, hundredths and thousandths	 Express a fraction with a denominator 10, 100 or 1000 as a decimal Express decimals as fractions State the place value of each digit in a number up to 3 decimal places Compare and order decimals up to thousandths Round a decimal to the nearest whole number, or up to 2 decimal places Solve word problems involving mixed numbers, fractions and decimals 	 Decimals Fractions, numerator, denominator, simplest form Place values, tenths, hundredths, thousandths Compare, smaller than, greater than, more than, less than Rounding

Key Concepts	Learning Objectives	Maths Vocabulary
 Addition – combining quantities, finding missing whole or comparing quantities Subtraction – removing quantities, finding missing part or comparing quantities Multiplication – repeated addition or quantity is x times as many as another Division – equal sharing or equal grouping of items 	 Add and subtract decimals up to 2 decimal places with and without renaming Add and subtract decimals with 1 decimal place mentally Estimate the sum and difference between 2 decimals Solve up to 2-step word problems involving addition and/or subtraction of decimals Multiply and divide decimals up to 2 decimal places by a 1-digit whole number Estimate the product in multiplication/quotient in division of decimals by a whole number Round the quotients to 1 or 2 decimal places after dividing Solve up to 2-step word problems involving the 4 operations of decimals 	 Decimals Place values Add, subtract, multiply, divide Estimate

Symmetry – Pupils will learn what and draw symmetric figures and		e or more lines of symmetry), and how to construct
Key Concepts	Learning Objectives	Maths Vocabulary
		 Symmetry Symmetric figure Line of symmetry Mirror image Halves es and rectangles given their areas or perimeters,
Key Concepts	imeters of composite figures made up of squ Learning Objectives	Maths Vocabulary
 Area is the amount of surface space taken up by a closed figure Perimeter is the distance around a closed figure 	 Find the unknown side of a square given its area or perimeter Find the unknown side of a rectangle given its area or perimeter and one of the sides Identify the shapes that make up a composite figure, and find the area and/or perimeter of the composite figure Solve non-routine problems involving the area and/or perimeter of overlapping squares and/or rectangles 	 Area Perimeter Composite figure Related rectangle Overlapping area

Key Concepts	Learning Objectives	Maths Vocabulary
Data can be organized in tables or graphical forms to convey information	 Present, read, and interpret data from tables Discuss how data is collected and displayed in a bar graph Read and interpret data from line graphs Identify the differences and suitability of presenting data between a bar graph and a line graph Recognise and explain why a bar graph and line graph may be misleading 	 Data Tally Table Row and column Bar graph Line graph Labels, category Horizontal scale, vertical scale
me – Pupils will learn to meas	ure time in seconds and read time in the 24-h	our clock format.
Key Concepts	Learning Objectives	Maths Vocabulary
Time is a form of measurement	 Measure time in seconds Read and write time in the 12-hour and 24-hour clock 	TimeSeconds12-hour clock, 24-hour clock