Maths at Upottery Primary School

White Rose Maths - Yearly Overview:

Year 3/4

	Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	Week 7:	Week 8:	Week 9:	Week 10:	Week 11:	Week 12:
Autumn	**Number: Place Value** • Step 1 Hundreds, tens and ones • Step 2 Represent numbers to 1,000 • Step 3 Partition numbers to 1,000 • Step 4 Thousands • Step 5 Represent numbers to 10,000 • Step 6 Partition numbers to 10,000 • Step 7 Flexible partitioning • Step 8 Find 1, 10, 100 or 1,000 more or less • Step 9 Number lines to 1,000 • Step 10 Number lines to 10,000 • Step 11 Estimate on a number line • Step 12 Compare numbers • Step 13 Order numbers • Step 14 Round to the nearest 10 • Step 15 Round to the nearest 100 • Step 16 Round to the nearest 1,000 • Step 17 Round to the nearest 10, 100 or 1,000 • Step 18 Roman numerals				**Number: Addition and subtraction** • Step 1 Add and subtract 1s, 10s, 100s, 1,000s • Step 2 Add 1s, 10s, 100s, 1,000s across a boundary • Step 3 Subtract 1s, 10s, 100s, 1,000s across a boundary • Step 4 Make connections • Step 5 Add up to two 4-digit numbers – no exchange • Step 6 Add up to two 4-digit numbers (across a 10) • Step 7 Add up to two 4-digit numbers (across a 100) • Step 8 Add up to two 4-digit numbers (across a 1,000) • Step 9 Add numbers with a different number of digits • Step 10 Subtract up to two 4-digit numbers – no exchange • Step 11 Subtract up to two 4-digit numbers (across a 10) • Step 12 Subtract up to two 4-digit numbers (across a 100) • Step 13 Subtract up to two 4-digit numbers (across a 1,000) • Step 14 Subtract numbers with a different numbers of digits • Step 15 Complements to 100 and 1,000 • Step 16 Estimate answers • Step 17 Inverse operations • Step 18 Efficient methods				**Number: Multiplication and division A** • Step 1 Arrays • Step 2 Sharing and grouping • Step 3 The 2, 5 and 10 times-tables • Step 4 The 4 times-table • Step 5 The 8 times-table • Step 6 The 2, 4 and 8 times-tables • Step 7 The 3 times-table • Step 8 The 6 times-table • Step 9 The 9 times-table • Step 10 The 3, 6 and 9 times-tables • Step 11 The 7 times-table • Step 12 The 11 times-table • Step 13 The 12 times-table • Step 14 Multiply by 1 and 0 • Step 15 Divide a number by 1 and itself			**Measurement: Area** • Step 1 What is area? • Step 2 Count squares • Step 3 Make shapes • Step 4 Compare areas

	Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	Week 7:	Week 8:	Week 9:	Week 10:	Week 11:	Week 12:
Spring	**Number: Multiplication and division B** • Step 1 Factor pairs • Step 2 Multiply and divide by 10 and 100 • Step 3 Reasoning about multiplication • Step 4 Multiply three numbers • Step 5 Efficient multiplication • Step 6 Scaling • Step 7 Correspondence problems • Step 8 Multiply up to a 3-digit number by a 1-digit number – no exchange • Step 9 Multiply up to a 3-digit number by a 1-digit number – with exchange • Step 10 Related calculations – multiplication and division • Step 11 Divide by a 1-digit number – flexible partitioning • Step 12 Divide up to a 3-digit number by a 1-digit number – no exchange • Step 13 Divide up to a 3-digit number by a 1-digit number – with exchange • Step 14 Divide up to a 3-digit number by a 1-digit number – with remainders			**Measurement: Length and perimeter** • Step 1 Measure in centimetres and millimetres • Step 2 Measure in kilometres and metres • Step 3 Kilometres, metres, centimetres and millimetres • Step 4 Equivalent lengths • Step 5 Add and subtract lengths • Step 6 What is perimeter? • Step 7 Calculate perimeter • Step 8 Perimeter of rectilinear shapes • Step 9 Calculate perimeter of rectilinear shapes • Step 10 Perimeter of polygons		**Number: Fractions A** • Step 1 Understand denominators • Step 2 Compare & order unit fractions • Step 3 Understand numerators • Step 4 Understand the whole • Step 5 Fractions on a number line • Step 6 Compare & order non-unit fractions • Step 7 Equivalent fractions • Step 8 Count beyond 1 • Step 9 Partition a mixed number • Step 10 Compare & order mixed numbers • Step 11 Understand improper fractions • Step 12 Convert mixed numbers to improper fractions • Step 13 Convert improper fractions to mixed numbers • Step 14 Equivalent fraction families			**Measurement: Mass and capacity** • Step 1 Measure mass in grams • Step 2 Measure mass in kilograms and grams • Step 3 Equivalent masses • Step 4 Compare mass • Step 5 Add and subtract mass • Step 6 Measure capacity and volume in millilitres • Step 7 Measure capacity and volume in millilitres and litres • Step 8 Equivalent capacities and volumes • Step 9 Compare capacity and volume • Step 10 Add and subtract capacity and volume		**Number: Fractions B** • Step 1 Add fractions • Step 2 Add fractions and mixed numbers • Step 3 Subtract fractions • Step 4 Subtract from whole amounts • Step 5 Subtract from mixed numbers • Step 6 Unit fractions of an amount • Step 7 Non-unit fractions of an amount • Step 8 Reasoning with fractions of an amount

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	Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	Week 7:	Week 8:	Week 9:	Week 10:	Week 11:	Week 12:
Summer	**Measurement: Time** • Step 1 Tell the time to 5 minutes • Step 2 Tell the time to the minute • Step 3 Read time of a digital clock • Step 4 Use a.m. and p.m. • Step 5 Convert between analogue and digital times • Step 6 Convert between 12- and 24-hour clock times • Step 7 Hours, minutes and seconds • Step 8 Find and use durations • Step 9 Years, months, weeks and days		**Number: Decimals** • Step 1 Tenths as fractions • Step 2 Tenths as decimals • Step 3 Tenths on a place value chart • Step 4 Tenths on a number line • Step 5 Hundredths as fractions • Step 6 Hundredths as decimals • Step 7 Hundredths on a place value chart • Step 8 Halves and quarters as decimals • Step 9 Make a whole • Step 10 Partition decimals • Step 11 Compare and order decimals • Step 12 Round to the nearest whole number • Step 13 Divide a number by 10 • Step 14 Divide a number by 100			**Measurement: Money** • Step 1 Pound and pence • Step 2 Write money using decimals • Step 3 Convert pounds and pence • Step 4 Compare amounts of money • Step 5 Estimate with money • Step 6 Add money • Step 7 Subtract money • Step 8 Find change • Step 9 Solve problems with money		**Geometry: Shape** • Step 1 Turns and angles • Step 2 Identify angles • Step 3 Compare and order angles • Step 4 Types of lines • Step 5 Triangles • Step 6 Quadrilaterals • Step 7 Polygons • Step 8 Draw polygons • Step 9 Symmetry • Step 10 3-D shapes		**Geometry: Position and direction** • Step 1 Describe position using coordinates • Step 2 Plot coordinates • Step 3 Draw 2-D shapes on a grid • Step 4 Translate on a grid • Step 5 Describe translation on a grid	**Statistics:** • Step 1 Pictograms • Step 2 Interpret bar charts • Step 3 Draw bar charts • Step 4 Interpret line graphs • Step 5 Draw line graphs • Step 6 Comparison, sum and difference • Step 7 Two-way tables • Step 8 Collect and represent data	