

Year 4 Maths Small Step Overview

| | |
|----------------------------------------------------------|--|
| 1. Number: Place value | |
| a) Represent number to 1,000 | |
| b) Partition numbers to 1,000 | |
| c) Number line to 1,000 | |
| d) Thousands | |
| e) Represent numbers to 10,000 | |
| f) Partition numbers to 10,000 | |
| g) Flexible partitioning of numbers to 10,000 | |
| h) Find 1, 10, 100, 1,000 more or less | |
| i) Number line to 10,000 | |
| j) Estimate on a number line to 10,000 | |
| k) Compare numbers to 10,000 | |
| l) Order numbers to 10,000 | |
| m) Roman numerals | |
| n) Round to the nearest 10 | |
| o) Round to the nearest 100 | |
| p) Round to the nearest 1,000 | |
| q) Round to the nearest 10, 100 or 1,000 | |
| 2. Number: Addition and subtraction | |
| a) Add and subtract 1s, 10s, 100s and 1,000s | |
| b) Add two 4-digit numbers – no exchange | |
| c) Add two 4-digit numbers – one exchange | |
| d) Add two 4-digit numbers – more than one exchange | |
| e) Subtract two 4-digit numbers – no exchange | |
| f) Subtract two 4-digit numbers – one exchange | |
| g) Subtract two 4-digit numbers – more than one exchange | |
| h) Efficient subtraction | |
| i) Estimate answers | |
| j) Checking strategies | |
| 3. Measurement: Area | |
| a) What is area? | |
| b) Count squares | |
| c) Make shapes | |
| d) Compare areas | |
| 4. Number: Multiplication and division (A) | |
| a) Multiples of 3 | |
| b) Multiply and divide by 6 | |
| c) 6 times-table and division facts | |
| d) Multiply and divide by 9 | |
| e) 9 times-table and division facts | |
| f) The 3, 6 and 9 times-tables | |
| g) Multiply and divide by 7 | |
| h) 7 times-table and division facts | |
| i) 11 times-table and division facts | |
| j) 12 times-table and division facts | |
| k) Multiply by 1 and 0 | |
| l) Divide a number by 1 and itself | |
| m) Multiply three numbers | |
| 5. Number: Multiplication and division (B) | |
| a) Factor pairs | |
| b) Use factor pairs | |
| c) Multiply by 10 | |
| d) Multiply by 100 | |
| e) Divide by 10 | |
| f) Divide by 100 | |
| g) Related facts – multiplication and division | |
| h) Informal written methods for multiplication | |
| i) Multiply a 2-digit number by a 1-digit number | |
| j) Multiply a 3-digit number by a 1-digit number | |
| k) Divide a 2-digit number by a 1-digit number (1) | |
| l) Divide a 2-digit number by a 1-digit number (2) | |
| m) Divide a 3-digit number by a 1-digit number | |
| n) Correspondence problems | |
| o) Efficient multiplication | |
| 6. Measurement: Length and Perimeter | |
| a) Measure in kilometres and metres | |
| b) Equivalent lengths (kilometres and metres) | |
| c) Perimeter on a grid | |
| d) Perimeter of a rectangle | |
| e) Perimeter of rectilinear shapes | |
| f) Find missing lengths in rectilinear shapes | |
| g) Calculate perimeter of rectilinear shapes | |
| h) Perimeter of regular polygons | |
| i) Perimeter of polygons | |
| 7. Number: Fractions | |
| a) Understand the whole | |
| b) Count beyond 1 | |
| c) Partition a mixed number | |
| d) Number lines with mixed numbers | |

Sunning Hill Primary School

| | |
|------------------------------------------------|--|
| e) Compare and order mixed numbers | |
| f) Understand improper fractions | |
| g) Convert mixed numbers to improper fractions | |
| h) Convert improper fractions to mixed numbers | |
| i) Equivalent fractions on a number line | |
| j) Equivalent fraction families | |
| k) Add two or more fractions | |
| l) Add fractions and mixed numbers | |
| m) Subtract two fractions | |
| n) Subtract from whole amounts | |
| o) Subtract from mixed numbers | |
| 8. Number: Decimals (A) | |
| a) Tenths as fractions | |
| b) Tenths as decimals | |
| c) Tenths on a place value grid | |
| d) Tenths on a number line | |
| e) Divide a 1-digit number by 10 | |
| f) Divide a 2-digit number by 10 | |
| g) Hundredths as fractions | |
| h) Hundredths as decimals | |
| i) Hundredths on a place value grid | |
| j) Divide a 1- or 2-digit number by 100 | |
| 9. Number: Decimals (B) | |
| a) Make a whole with tenths | |
| b) Make a whole with hundredths | |
| c) Partition decimals | |
| d) Flexibly partition decimals | |
| e) Compare decimals | |
| f) Order decimals | |
| g) Round to the nearest whole number | |
| h) Halves and quarters as decimals | |
| 10. Measurement: Money | |
| a) Write money using decimals | |
| b) Convert between pounds and pence | |
| c) Compare amounts of money | |
| d) Estimate with money | |
| e) Calculate with money | |
| f) Solve problems with money | |
| 11. Measurement: Time | |
| a) Years, months, weeks and days | |
| b) Hours, minutes and seconds | |
| c) Convert between analogue and digital times | |
| d) Convert to the 24-hour clock | |
| e) Convert from the 24-hour clock | |
| 12. Geometry: Shape | |
| a) Understand angles as turns | |
| b) Identify angles | |
| c) Compare and order angles | |
| d) Triangles | |
| e) Quadrilaterals | |
| f) Polygons | |
| g) Lines of symmetry | |
| h) Complete a symmetric figure | |
| 13. Statistics | |
| a) Interpret charts | |
| b) Comparison, sum and difference | |
| c) Interpret line graphs | |
| d) Draw line graphs | |
| 14. Geometry: Position and Direction | |
| a) Describe position using coordinates | |
| b) Plot coordinates | |
| c) Draw 2-D shapes on a grid | |
| d) Translate on a grid | |
| e) Describe translation on a grid | |

