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| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Year 5**  | *12 lessons per fortnight* |  |  | **Year 6** | *12 lessons per fortnight* |
|  | **Wk**  | **Topic** | **Learning Aims** | **Assessment**  |  | **Wk** | **Topic** | **Learning Aims** | **Assessment** |
| **Autumn** | **1****W/C 2nd Sept** | **Number 1-Place value** | - rounding numbers- read, write, order and compare numbers- Roman Numerals - negative numbers Key vocabulary:Rounding, negative, million | Weekly arithmetic tests throughout the year |  | **1****W/C 2nd Sept** | **Number 1- Place value** | **-** round whole numbers up to 10,000,000 - rounding - read, write, order and compare numbers - roman numerals - negative numbersKey vocabulary:Rounding, million, negative | Weekly arithmetic tests throughout the year |
| **2****W/C 9th Sept** | **Baseline GL assessments** | **2****W/C 9th Sept** | Number 1 topic assessment- end of topic |
| **3****W/C 16th Sept** | Number 1 topic assessment- end of topic | **3****W/C 16th Sept** | **Calculations 1-****Addition****Subtraction****Multiplication****Division****Properties of numbers** | **-** written division- interpret division remainders - written multiplication - solve multi-step addition and subtraction problems - written addition and subtractions - inverse operations - order of operations - prime numbers - square and cube numbers - factors - multiplesKey vocabulary:Remainders, prime, square, cube, factors, multiples | **Practice SATs** |
| **4****W/C 23rd Sept** | **Calculations 1- Addition and subtraction** | **-** add and subtract decimals - solve addition and subtraction multi-step problems - use rounding to estimate and approximate - inverse operations - add and subtract integers- add and subtract numbers - mental addition and subtraction Key vocabulary:Addition, subtraction, inverse, exchange |  | **4****W/C 23rd Sept** |  |
| **5****W/C 30th Sept** | Calculations 1 topic assessment- end of topic | **5****W/C 30th Sept** | Calculations 1 topic assessment A- end of topic |
| **6****W/C 7th Oct** | **Statistics 1** | **-** timetables - two-way tables - line graphs - comparison, sum and difference problems - tables - bar charts and pictogramsKey vocabulary:Axis, interpret, line graph | **Autumn assessments** | **6****W/C 7th Oct** |  |
| **7****W/C 14th Oct** | Statistics 1 topic assessment- end of topic | **7****W/C 14th Oct** | Calculations 1 topic assessment B- end of topic |
| **8****W/C 21st Oct** | **Number 2- Properties of number** | -cube numbers- multiply and dividing by 10, 100 and 1000 - prime numbers - square numbers- factors- multiplesKey vocabulary:Cube, square, multiples, factors |  | **8****W/C 21st Oct** | **Number 2- Fractions** | - add and subtract fractions - compare and order fractions- convert between improper and mixed number fractions - simplify fractions - equivalent fractions- multiply fractions- divide fractions- fractions of amounts Key vocabulary:Improper, numerator, denominator, simplify, equivalent |  |
| **9****W/C 4th Nov** |  | **9****W/C 4th Nov** | Number 2 topic assessment- A end of topic |
| **10****W/C 11th Nov** | Number 2 topic assessment- end of topic | **10****W/C 11th Nov** | **Practice SATs** |
| **11****W/C 18th Nov** | **Measurement 1- Perimeter and area** | **-** area of compound shapes - area of irregular shapes - perimeter of rectilinear shapes - area of rectangles - measure perimeter - perimeter of rectangles - perimeter of shapes drawn on a grid Key vocabulary:Area, perimeter, rectilinear, compound |  | **11****W/C 18th Nov** | Number 2 topic assessment B- end of topic |
| **12****W/C 25th Nov** | Measurement 1 topic assessment- end of topic | **12****W/C 25th Nov** | **Geometry 1- Position and direction** | **-** missing coordinates - reflect shapes- translate shapes - read and plot coordinates in four quadrantsKey vocabulary:Coordinates, translate, reflect, quadrant | **Geometry 1-**topic assessment-end of topic |
| **13****W/C 2nd Dec** | **Consolidation lessons** | Teachers will cover areas for development identified in the autumn term topics. |  | **13****W/C 2nd Dec** | **Consolidation lessons** | Teachers will cover areas for development identified in the autumn term topics. |  |
| **14****W/C 9th Dec** |  | **14****W/C 9th Dec** |  |
| **15****W/C 16th Dec** |  | **15****W/C 16th Dec** |  |
| **Spring** | **1****W/C 6th Jan** | **Calculations 2- Multiplication and division** | - divide by 2-digit numbers- divide with remainders- divide by 2-digit numbers- solve multiplication and division multi-step problemsKey vocabulary:Multiplication, division, remainder, place value |  | **1****W/C 6th Jan** | **Number 3- Decimals**  | - identify the value of digits - multiply and divide decimals by integers- multiply and divide decimals by 10, 100 and 1000- convert between fractions and decimalsKey vocabulary:Decimal, value, digit, integer, fraction, multiply, divide |  |
| **2****W/C 13th Jan** |  | **2****W/C 13th Jan** | Number 3 topic assessment- end of topic |
| **3****W/C 20th Jan** | Calculations 2 topic assessment- end of topic | **3****W/C 20th Jan** | **Number 4- Percentages** | -convert between fractions and percentages- identify equivalent fractions, decimals and percentagesmi- order fractions, decimals and percentages- calculate percentages of amounts- create missing values when finding percentages of amounts- solve percentage word problemsKey vocabulary:Fraction, decimal, percentage, amount, equivalent | **Practice SATs** |
| **4****W/C 27th Jan** | **Number 3- Fractions** | - compare and order fractions and mixed numbers- convert between improper fractions and mixed numbers- identify equivalent fractions- add and subtract fractions and mixed numbers- multiply fractions, mixed numbers and integers- calculate fractions of amountsKey vocabulary:Fraction, numerator, denominator, mixed number, improper fraction, equivalent |  | **4****W/C 27th Jan** | Number 4 topic assessment- end of topic |
| **5****W/C 3rd Feb** |  | **5****W/C 3rd Feb** | **Algebra 1** | -calculate inputs, outputs and functions- solve one and two-step equations- find pairs of numbers to satisfy equations- form expressions- identify a rule- substitute numbers into expressions- write formulas and equationsKey vocabulary:Input, output, function, substitute, equation, formula | Algebra 1 topic assessment- end of topic |
| **6****W/C 10th Feb** | **Spring assessments** | **6****W/C 10th Feb** | **Measurement 1- Converting units** | -convert between units of length, mass and capacity- convert between units of time- read and solve problems using timetablesKey vocabulary:Measure, units, kilo, length, mass, capacity | Measurement 1 topic assessment- end of topic |
| **7****W/C 24th Feb** |  | **7****W/C 24th Feb** | **Measurement 2- Area, perimeter and volume** | - Identify shapes with the same area and different perimeters- calculate the volume of cubes, cuboids and compound shapes- calculate the area of quadrilaterals and trianglesKey vocabulary:Area, perimeter, volume, compound shapes |  |
| **8****W/C 3rd March** | **Spring term assessments- Reasoning and arithmetic** | **8****W/C 3rd March** | Measurement 2 topic assessment- end of topic**Practice SATs** |
| **9****W/C 10th March** | Number 3 topic assessment- end of topic | **9****W/C 10th March** | **Ratio and proportion** | -write a ratio using the symbol- represent ratio as a fraction- calculate ratios- calculate scale factors- use scale factors to enlarge shapes- solve ratio and proportion problemsKey vocabulary:Ratio, proportion, scale factors, fraction |  |
| **10****W/C 17th March** | **Number 4- Decimals and percentages** | - order and compare decimals- calculate equivalent fractions, decimals and percentages- round decimals Key vocabulary:Decimal, percentage, equivalent, rounding |  | **10****W/C 17th March** | Ratio and proportion topic assessment- end of topic |
| **Summer** | **1****W/C 24th March** | Number 4 topic assessment- end of topic | **1****W/C 24th March** | **Statistics 1** | - name parts of a circle- read, interpret and draw line graphs- read, interpret and draw pie charts, including with percentages- calculate the meanKey vocabulary:Graph, chart, mean, radius, diameter, interpret | Statistics 1 topic assessment- end of topic |
| **2****W/C 31st March** | **Number 5- Decimals** | - add and subtract decimals - compare and order decimals- multiply decimals by 10, 100 and 1000- divide decimals by 10, 100 and 1000Key vocabulary:Decimal, place value, compare, order, greater than, less than |  | **2****W/C 31st March** | **Geometry 2- Properties of shape** | -name, estimate, draw and measure angles- calculate missing angles around a point and on a straight line- calculate vertically opposite angles- calculate missing angles in triangles, quadrilaterals and regular polygons- draw nets of 3D shapes- draw shapes accuratelyKey vocabulary:Angles, acute, obtuse, reflex, degrees, full turn, straight line | Geometry 2 topic assessment- end of topic |
| **3****W/C 7th April** |  | **3****W/C 7th April** | **SATs Revision & Consolidation** | Teachers will cover areas for development identified across all topics in preparation for SATs. |  |
| **4** **W/C 28th April** | Number 5 topic assessment- end of topic | **4****W/C 28th April** |  |
| **5****W/C 5th May** | **Geometry 1-Properties of shape** | - name angles- measure and draw angles - compare and order angles- calculate angles around a point- draw lines accurately- name and identify the properties of triangles - name and identify the properties of quadrilaterals- calculate missing lengths and angles - name and identify regular and irregular polygonsKey vocabulary:Angle, acute, obtuse, reflex, degrees, full turn, straight line |  | **5****W/C 5th May** |  |
| **6****W/C 12th May** |  | **6** **W/C 12th May** | **SATs Week** |
| **7****W/C 19th May** | Geometry 1 topic assessment- end of topic | **7****W/C 19th May** | **Consolidation** | Teachers will revisit any areas of weakness and topics that were not covered in enough depth prior to SATs. Topics may include measurement, statistics, algebra, ratio and proportion. |  |
| **8****W/C 2nd June** | **Geometry 2-Position and direction** | - write coordinates- plot points- identify lines of symmetry- translate points and shapes- reflect points and shapesKey vocabulary:Reflect, translate, coordinates, points, symmetry |  | **8****W/C 2nd June** |  |
| **9****W/C 9th June** | Geometry 2 topic assessment- end of topic**Summer assessments****GL assessment fortnight** | **9****W/C 9th June** | **GL assessment fortnight** |
| **10****W/C 16th June** | **Measurement 2- Converting units** | - convert between units of length, mass and capacity- convert between units of time- read and solve problems using timetablesKey vocabulary:Measure, units, kilo, length, mass, capacity | **GL assessment fortnight** | **10****W/C 16th June** | **GL assessment fortnight** |
| **11****W/C 23rd June** | Measurement 2 topic assessment- end of topic | **11****W/C 23rd June** |  |
| **12****W/C 30th June** | **Measurement 3-Volume** | -describe and name units of volume and capacity- estimate and compare volume and capacityKey vocabulary:Volume, capacity, estimate, compare, units | Measurement 3 topic assessment- end of topic | **12****W/C 30th June** |  |
| **13****W/C 7th July** | **Consolidation** | Teachers will cover areas for development identified in the summer term topics. |  |  | **13****W/C 7th July** |  |
| **14****W/C 14th July** |  |  | **14****W/C 14th July** |  |
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