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| **Year 5** |
| **Autumn** | **Number: Place value**Negative numbersCount powers of 10Read write up to 1,000,000Round numbersSolve problemsRoman Numerals | **Addition and Subtraction**Mental vs writtenMental 4/5 digit multiple of 10Formal methodsRounding to check answersProblem solving including measures | **Multiplication and Division****Measure**Properties of number – Squared cubedfactorsFactor pairsCommon factorsprime Composite numbers | **Multiplication and Division**Multiplying whole numbers and decimals by 10, 100, 1,000Converting units of measure | **Multiplication and Division** X and ÷ mentally drawing on known facts | **Position and Direction** Position of a shapeTranslation Reflection  |
| Include measurement – all contextsReasoning and problem solving |
| **Spring** | **Fractions**Recognising mixed numbers and improper fractions | **Fractions**Equivalent Compare Order with denominators which are all multiples of the same number | **Fractions**Add and subtract where denominators are multiples of the same number | **Multiplication and Division**4 digit x 1 and digit 4 digit x 2 digit4 digit ÷ 1 digitInterpret remainders accordinglyProblem solvingScaling by fractionsSimple rates | **Measurement/Statistics** **Time**Reading timetablesSolve problems converting units of time | **Measurement** **Area**Using squaresCalculate and compareEstimate area of irregular shapes **Volume** |
| Include measurement – all contextsReasoning and problem solving |
| **Summer**  | **Fractions**Multiplying proper fractions by whole numbers | **Number: decimals**Read / write to 2dpWrite as fractionsOrder and compareRound to nearest whole and 1dpRead write order to 3dp | **Decimals**Solve problems with number to 3dp | **Percentages**Understand %Write as fraction/decimal | **Statistics** Problem solving – line graphs**Measure**Perimeter Compositerectilinear shapes | **Measure**Convert metric (relate to x ÷ 10,100,1000)Convert metric and imperialSolve problems with all measure | **Geometry**Properties 2d shape3d shapesNetsRegular irregular polygonsDraw and measure anglesIdentify angles |
| Reasoning and problem solvingInclude measurement – all contexts |