Year 5							
Autumn (15 weeks)	**Number: Place value** Value of digits up to 10,000 (1) Read write up to 1,000,000 (2) Count powers of 10 (2) Order and compare number (2/3) Round numbers (4) Solve problems (3/5) Roman Numerals (5) Negative numbers (5)	**Addition and Subtraction** Mental vs written (6/7/8) Mental 4/5 digit multiple of 10 (6/7) Formal methods (6/7/8) Rounding to check answers (6/8) Problem solving including measures (6/8)	**Multiplication and Division** **Measure** Properties of number – Multiples (9) Factors (9) Factor pairs (9) Common factors (9) Squared (10) Cubed (10) Prime (9/10) Composite numbers (9/10)	**Multiplication and Division** Multiplying whole numbers and decimals by 10, 100, 1,000 (11/12) Conversions of cm, m, km	**Multiplication and Division** X and ÷ mentally drawing on known facts (13)	**Position and Direction. Intro of shape.** Identify angles Properties 2d shape Position of a shape Translation Reflection (14/15)	
Include measurement – all contexts Reasoning and problem solving							
Spring (12 weeks)	**Fractions** Recognising mixed numbers and improper fractions (1)	**Multiplication and Division** 4 digit x 1 and digit (2) 4 digit x 2 digit (2/3)	**Fractions** Equivalent (4) Compare Order (5) with denominators which are all multiples of the same number	**Fractions** Add and subtract where denominators are multiples of the same number (6)	**Multiplication and Division** 4 digit ÷ 1 digit (7) Interpret remainders accordingly (8) Problem solving using all operations (8) Problem solving with scaling and all 4 operations (9) Simple rates (9)	**Measurement/Statistics** **Time recap (10)** **Time** Reading timetables (10) Solve problems converting units of time (10)	**Measurement** **Area** Using squares Calculate and compare Estimate area of irregular shapes (11) **Volume (12)** **Recap cube numbers** **Capacity** **Nets** **Problem solving**
Include measurement – all contexts Reasoning and problem solving							
Summer (13 weeks)	**Fractions** Multiplying proper fractions by whole numbers **(1)** Scaling by fractions(1)	**Number: decimals** Read / write to 2dp (2) Write as fractions (3) Order and compare (4) Round to nearest whole and 1dp (4) Read write order to 3dp (5)	**Decimals** Solve problems with number to 3dp (5)	**Percentages** Understand % Write as fraction/decimal (6/7)	**Statistics** Problem solving – line graphs (8) **Measure** Perimeter Composite rectilinear shapes (9)	**Measure** Convert metric (relate to x ÷ 10,100,1000) (10) Convert metric and imperial (10) Solve problems with all measure(10)	**Geometry** Recap 2D shape(11) Regular irregular polygons (11) 3d shapes (11) Nets (11) Draw and measure angles (12)

Reasoning and problem solving Include measurement – all contexts