Maths medium term planning

ONGOING: Children will complete mental arithmetic, basic skills, reasoning, problem solving and times tables activities throughout each week in order to deepen and consolidate essential mathematical skills.	
Main Learning Focus Year 5	**Fluency (Times Tables Focus)**

Multiplication and Division A (10 sessions - 2 weeks) - Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers - Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers - Establish whether a number up to 100 is prime and recall prime numbers up to 19 · Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. - Multiply and divide whole numbers. - Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3). **Fractions (17 sessions – 3 weeks)** - Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundreds. - Recognise mixed numbers and improper fractions and convert one form to the other and write mathematical statements > 1 as mixed number. - Compare and order fractions. - Add and subtract fractions with the same denominator ad denominators that are multiples of the same number. **Measurement – Converting units (5 sessions – 1 week)** - Convert between different units of metric measure. - Understand and use appropriate equivalents between metric units and common imperial units such as; inches, pounds and pints. **Multiplication and Division B (5 sessions – 1 week)**	**7 weeks- 3 sessions per week = 21 days** **Week 1-** Revision of 10, 5 and 2 times tables 9 (3 days) Book A, B and C **Book D 4 times tables 22 tests**- 3 weeks (9 days) 6 new facts 3x4, 4x4, 6x4, 7x4, 8x4, 9x4 **Book E 8 times tables 22 tests** – 3 weeks (9 days) 5 new facts 3x8, 6x8, 7x8, 8x8, 9x 8

- Multiply number sup to 4 digits by a one- or two-digit number using a formal written method including long multiplication of two-digit numbers.
- Multiply and divide numbers mentally drawing upon known facts.
- Divide numbers up to 4 digits by one-digit numbers using formal written method.