Maths - Problem Solving & Reasoning The Federation of Nettlestone & Newchurch

Maths – Problem Solving & Reasoning							
Year 1	Year 2 Year 3	Year 4	Year 5	Year 6			
 I can solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change' I can describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context I can talk about methods used to solve problems and explain choices and decisions orally or using pictures I can talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties I can solve problems and set the solution back in context I can talk about and set the solution back in context I can talk about problems and explain choices and decisions orally or using pictures I can talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how 	 I can solve one- and two-step problems involving whole numbers and unit fractions, money or measures, including time and temperature. I can identify the known and to-be-found information in problem; use number sentences and diagrams to support thinking; present the solution in context or the problem. I can present solutions to problems in an organised way; explain decisions, methods and results using mathematical language, images and arithmetic symbols. I can use patterns, properties of and relationships between numbers or shapes the determine and describe similarities and differences make 	 I can solve one and two-step problems involving whole numbers, simple fractions and decimals, money and measures, including time and temperature, perimeter and applying multiplicative scaling I can represent a problem using number sentences involving more than one operation; draw and interpret diagrams and graphs I can report orally on solutions to problems, providing explanations and decisions supported with an argument and reasons I can identify and describe patterns, properties and relationships to establish invariants, apply in unfamiliar situations to make deductions; investigate 	• Across all domains	• Across all domains			

	inferences from given information and frame an hypothesis to test further	a given statement and test with examples; collect data to create graphs and support an argument		
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