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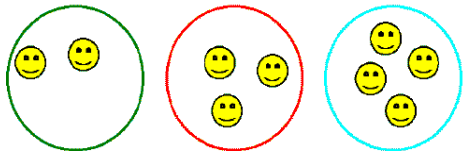
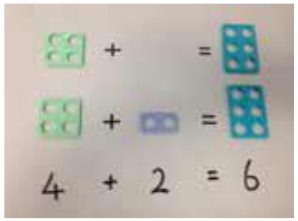
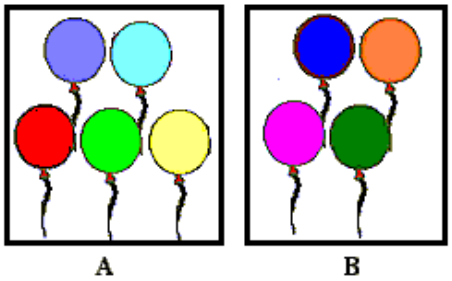
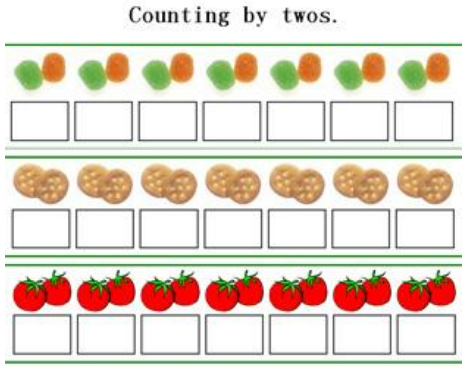
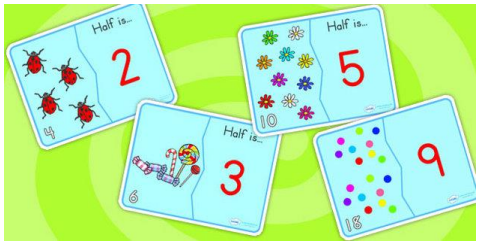
St Mary's C of E Primary School Calculation Policy

	Addition	Subtraction	Multiplication	Division
Rec	**Pictorial Representations and Concrete Objects:** 2 + 1 = 3 3 + 1 = 4  	**Pictorial Representations and Concrete Objects:** 5 – 1 = 4  A B 	**Grouping equally using pictorial representations and concrete objects:** (Counting in 2, 5 and 10s) 	**Sharing equally using pictorial representations and concrete objects:** (Half) 

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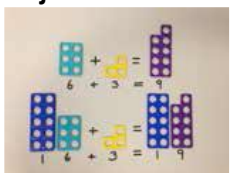
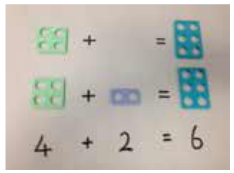
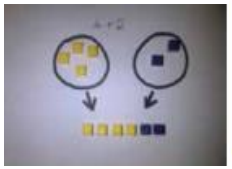
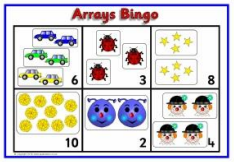
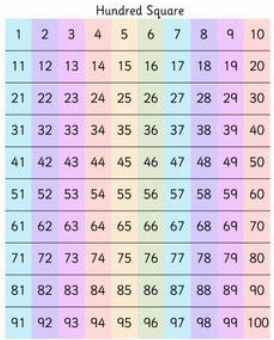
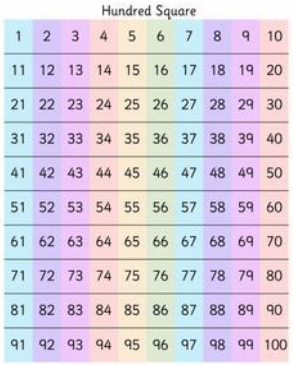
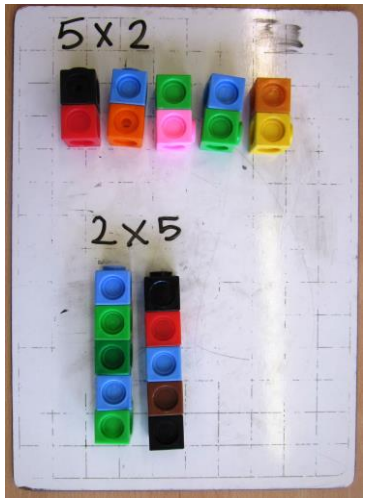
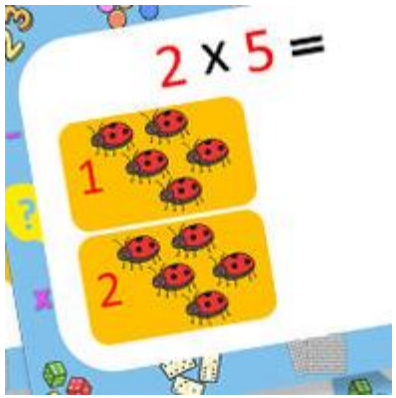
	Addition	Subtraction	Multiplication	Division
Y1	**Pictorial Representations and Concrete Objects:**     **Number Lines & Hundred Square:**   **Addition Facts:**	**Pictorial Representations and Concrete Objects:**   **Number Lines & Hundred Square:**   **Subtraction Facts:** 9 - 4 = 5 9 - 5 = 4	**Grouping equally using pictorial representations and concrete objects:**  	**Sharing equally using pictorial representations and concrete objects:**  

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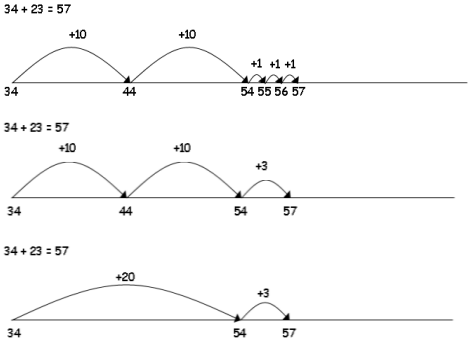
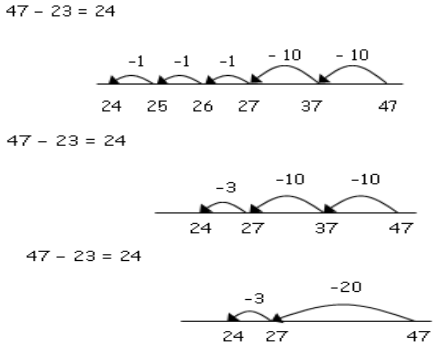
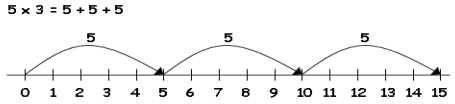
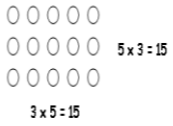
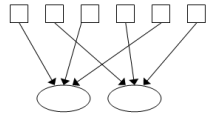
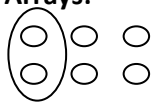
St Mary's C of E Primary School Calculation Policy

	Addition	Subtraction	Multiplication	Division
	6 = 5 + 1 6 = 4 + 2 3 + 3 = 6 etc 			
Y2	**Counting on using an empty number-line:**  **Partitioning:** 45+ 21 = 66 40 + 20 = 60 5 + 1 = 6	**Counting back using an empty number-line:**  **Partitioning:** 45 - 21 = 24 40 - 20 = 20 5 - 1 = 4	**Repeated addition:** 3 times 5 is 3 lots of 5 (5 + 5 + 5 = 15)  **Arrays:**  **Partitioning:** 16 x 2 = 32 10 x 2 = 20 6 x 2 = 12	**Sharing equally:** 6 sweets shared between 2 people, how many do they each get?  **Arrays:**  **6 ÷ 3 = 2** **Partitioning:** 16 ÷ 2 = 8 10 ÷ 2 = 5 6 ÷ 2 = 3

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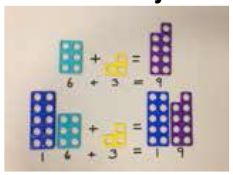
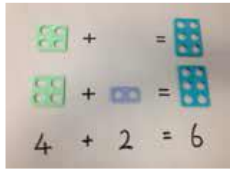
St Mary's C of E Primary School Calculation Policy

	Addition	Subtraction	Multiplication	Division
	Addition Facts: 7 + 3 = 10 1**7** + **3** = 20 **7**0 + **3**0 = 100 2**3** + 7**7** = 100 **Column Method:** 2 3 + 1 3 = 3 6 4 9 + 2 2 = 7 1 **Concrete Objects:**  	**Subtraction Facts:** 10 - 3 = 7 20 – **3** = 1**7** 100 – **3**0 = **7**0 100 – 2**3** = 7**7** **Column Method:** 2 3 - 1 3 = 1 0 $^{3}4\ ^{1}1$ - 2 2 = 1 9 **Concrete Objects:** 	**Multiplication Facts:** 5 x 2 = 10 50 x 2 = 100 500 x 2 = 1000 **Inverse Operations:** 10 x ☐ = 50 **50 ÷ ☐ = 10** **Concrete Objects:**	**Multiplication Facts:** 8 ÷ 2 = 4 80 ÷ 2 = 40 800 ÷ 2 = 400 **Inverse Operations:** 10 x ☐ = 50 **50 ÷ 10 =** ☐ **Concrete Objects:**