MATHS CHALLENGE – SET TWO **NAME:**

White	Red	Orange	Yellow	Green	Blue
I know all pairs of numbers that add to make 20. *Example:* *17 + 3 = 20* *11+ 9 = 20*	I know all pairs of numbers that add to 10 and can use this to work out pairs of numbers that add to 100. *Example:* *1 + 9 =10* *10 + 90 = 100*	I can use my understanding of number facts to solve addition and subtraction calculations. *Example:* *17 + 3 =* *80 + 20 =* *100 – 30 =* *20 – 16 =*	I can double all numbers up to 20. *Example:* *6 + 6 =12* *9 + 9 = 18* *15 + 15 = 30*	I can partition two-digit numbers into different combinations of tens and ones. *Example:* *23 = 2 tens and 3 ones* *or 1 ten and 13 ones* *34 = 3 tens and 4 ones* *or 2 tens and 14 ones*	I can add 2 two-digit numbers within 100 (e.g. 48 + 35) and can demonstrate my method. *Example:* ***48 + 35 = 83*** *40 + 30 = 70* *8 + 5 = 13* *70 + 13 = 83* ***or*** *48 + 30 = 78* *78 + 5= 83*
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Indigo	**Violet**	**Black**	**Bronze**	**Silver**	**Gold**
I recognise the inverse relationships between addition and subtraction and use this to check calculations and work out missing number problems. (e.g. Δ − 14 = 28) *Example:* *17 + ◊ = 20* *20 - ◊ = 16* *100 – 30 = ◊* *100 - ◊ = 60*	I can recall and use multiplication and division facts for the 10 x table up to 12 x 10. *Example:* *1 x 10 = 10* *2 x 10 = 20* *8 x 10 = 80* *80 ÷ 10 = 8* *100 ÷ 10 = 10*	I can recall and use multiplication and division facts for the 2 x table up to 12 x 2. *Example:* *6 x 2 = 12* *8 x 2 = 16* *16 ÷ 2 = 8*	I can work out half of an even number by dividing by two. *Example:* *½ of 16 = 8* ®®®®®®®® ®®®®®®®®	I can recall and use multiplication and division facts for the 5 x table up to 12 x 5. *Example:* *5 x 5 = 25* *8 x 5 = 40* *40 ÷ 5 = 8*	I can use different coins to make the same amount (e.g. pupil uses coins to make 50p in different ways. *Example:* *50p =* *10p + 10p + 10p +* *10p + 10p* *20p + 20p + 10p*
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