Number Bonds to 1 **Decimal Number Bonds to 1** (Yr 4 = number bonds to 100) E.g. 0.99 + 0.01 = 1 1 – 0.01 = 0.99 0.98 + 0.02 = 1 1 – 0.02 = 0.98 0.01 + 0.99 = 1 1 – 0.99 = 0.01 0 + 1 = 1 1 – 1 = 0 **Decimal Number Bonds to 10** E.g. 9.99 + 0.01 = 10 10 - 0.01 = 9.99 9.98 + 0.02 = 10 10 - 0.02 = 9.98 0.01 + 9.99 = 10 10 - 9.99 = 0.01 0 + 10 = 10 10 – 10 = 0	**Doubles and Halves to 100,000** **Doubles and halves of decimals up to 2d.p** Half of 2.30 = 1.15 Double 3.45 = 6.90	**Know all 12 x 12 and linked division facts.** 7 x 8 = 56 8 x 7 = 56 56 ÷ 8 = 7 56 ÷7 = 8 **Identify common multiples and common factors** **Recognise and know prime numbers up to 100.**	**Multiply whole numbers and decimals by 10, 100, 1000 and 10,000** The digits shift 1, 2 or 3 places to the l and 0 fills the empty columns E.g. 2.75 x 10 = 27.5 2.75 x 100 = 275 2.75 x 1000 = 2750 **Divide whole numbers and decimals by 10, 100, 1000 and 10,000** The digits shift 1, 2 or 3 places to the ri E.g. 2750 ÷ 1000 = 2.75 2750 ÷ 100 = 27.5 2750 ÷ 10 = 275
	Mental Maths Milestones Year 6		
Recall equivalence between simple fractions, decimals and percentages **Calculate intervals across zero.** **Round any number to required degree of accuracy.**	**Know the place vluae of each digit up to 10,000,000** **State what each digit represents in numbers with 3 decimal places** E.g. In the number 3.752, the 7 digit = 7 tenths and the 5 digit = 5 hundredths and the 2 digit = 2 thousandths	**Multiply a 4 digit number by a 1 digit number** 2735 x 3 = 2000 x 3 = 6000 700 x 3 = 2100 30 x 3 = 120 5 x 3 = 15 **Perform mental calculations with mixed operations and large numbers**	