Year 4													
Derive sums and differences of pairs of multiples of 10 to 1000	Which pairs of these numbers have a difference of 60? 190 30 70 130 90 How did you work it out?												
Derive and recall x facts up to 10x10	How can you work out the 8 times-table from the 4 times-table? Or the 9 times-table from the 3 times-table? If you know that 9 × 8 =72, what is 72 ÷9? What is 720 ÷9?												
Double 2 digit nos & multiples of 10, 100, find corresponding halves	I'm thinking of a number. I halve it and get the answer 55. What number was I thinking of? How do you know?												
Identify pairs of fractions that total 1	Use this 3 by 4 rectangle to find two fractions that add up to 1.												
Check calculations using rounding and inverses	Circle the number that is about the same as the right answer to 49 +48. 10 50 40 100 70 200												
+/- mentally pairs of 2 digit numbers	What strategies would you use to work out the answers to these calculations: 47 +58, 91 −35? Could you use a different method? How could you check that your answer is correct?												
Refine written methods to +/- 2 and 3 digit nos	Sunil is 138 cm tall. His younger brother is 47 cm shorter. How tall is Sunil's brother?												
x/÷ nos to 1000 by 10 and 100	Why do 6 × 100 and 60 × 10 give the same answer?												
Develop written methods to x/÷ 2 digit by 1 digit no. including remianders	How would partitioning help you to calculate 27 × 6?												
Find fractions of numbers quantities and shapes	Is there more than one way to shade $^{2}/_{3}$of a 2 by 6 grid? Why?												
Use calculator to solve 1 and 2 step probs	Use a calculator to add these amounts of money: 62p, £1.50, 550p, £15, 8p												
Count on/back in steps of constant size	Count on in sevens from zero. Now count back to zero.												
Partition round order and compare 4 digit nos	Look at this number sentence:□ +◇=1249. What could the missing numbers be?												
Use negative nos in context	I measured the temperature in the morning. By the evening it had fallen by 8 degrees and was below freezing point. What could the morning and evening temperatures be?												
Use decimals to 2 places & position on a no. line	Can you tell me what the digit 7 represents in each of these amounts: £2.70, 7.35 m, £0.37, 7.07 m?												
Recognise dec and fraction equivalence between $\frac{1}{2}$, $\frac{1}{4}$, tenths, hundredths	Which of these is the same as 0.4? A four B four tenths C four hundredths D one fourth												
Identify equivalent fractions, interpret mixed nos.	Draw an arrow on the number line to show 1 $^{3}/_{4}$. 												