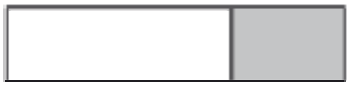	Year 3															
	Derive and recall +/- for numbers to 20, sums and differences of multiples of 10 and pairs that total 100	Add or subtract these numbers. Tell me how you did it. 30+80 70−50 800+500 900−400 38+40 80−27														
	Derive and recall 2,3,4,5,6,10 times table and related division	Use the digits 4, 0 and 5 to make a number that is a multiple of 2. Now make a multiple of 5. Now make a multiple of 10. Two numbers multiply to make 20. What could they be?														
	Estimate and check including using inverses.															
	+/- mentally combinations of 1 and 2 digit numbers	What is 46+8? Explain how you did it. How would you add 18 to 46? What is 73−7? Explain how you did it. How would you subtract 17 from 73?														
	Written methods for +/- 2 and 3 digit numbers	Work out 91−37. Decide how to record your working.														
	Multiply 1 and 2 digit numbers by 10 or 100	Multiply 4 by 10. Multiply the answer by 10. What has happened to the value of the digit 4? Can you explain what happens to the 4 when we multiply 4 by 100?														
	Understand ÷ as the inverse of x and vice versa	Mary keys 27 ÷3 into a calculator to get the answer 9. What operation should she type in to turn the 3 back into 27?														
	Informal methods for x and ÷ 2 digit numbers	What two multiplication facts could you use to work out 13 ×3?														
	Find unit fractions of numbers and quantities	Which is heavier: $\frac{1}{2}$ of 18 kg or $\frac{1}{4}$ of 32 kg?														
	Count in single digit steps or multiples of 10															
	Read write and order numbers to 1000	Here is a number: 472. Read it to me. Write another three-digit number and read it to me. Is it bigger than or smaller than 472? Draw an empty number line and mark the numbers 456, 465 and 516 on it.														
	Partition 3 digit numbers in different ways	Here are some ways of partitioning 346. 346=300+46 346=300+40+6 346=300+30+16 346=200+120+26 Write four more ways of partitioning 346.														
	Round 2 or 3 digit numbers to nearest 10 or 100	Round 249, 243 and 245 to the nearest 10. Explain why you decided to round 249 and 245 up to 250, and 243 down to 240.														
	Read, write fractions, know denominator & numerator	Take 20 cubes. Make a shape which is $\frac{1}{2}$ red and $\frac{1}{4}$ blue. What fraction of the shape is not red or blue?														
	Identify and estimate fractions of shapes	Approximately what fraction of this shape is shaded? Explain how you decided on your answer.