MEASUREMENT

		New Oral Law	No. Chatalan
units (for example, 1 kg and 200g) and	I ney relate area to arrays and	Non-Statutory	Non-Statutory
simple equivalents of mixed units (for	multiplication.		
example, $5m = 500$ cm).		Pupils use their knowledge of place value	Pupils connect conversion (for example,
		and multiplication and division to convert	from kilometres to miles) to a graphical
The comparison of measures should also		between standard units.	representation as preparation for
include simple scaling by integers (for			understanding linear/proportional
example, a given quantity or measure is		Pupils calculate the perimeter of	graphs.
twice as long or five times as high) and		rectangles and related composite shapes.	
this connects to multiplication.		including using the relations of perimeter	They know approximate conversions and
		or area to find unknown lengths Missing	are able to tell if an answer is sensible
Pupils continue to become fluent in		measures questions such as these can be	
recognising the value of coins by adding		expressed algebraically $4 \pm 2b = 20$ for a	Using the number line, nunils use, add and
and subtracting amounts including mixed		expressed algebraically $4 + 20 = 20101$ a	subtract positive and positive integers for
and subtracting amounts, including inited		rectangle of sides 2 cill and 0 cill and	subtract positive and negative integers for
units, and giving change using manageable		perimeter of 20cm.	measures such as temperature.
amounts. They record £ and p separately.			
The decimal recording of money is		Pupils calculate the area from scale	They relate the area of rectangles to
introduced formally in year 4.		drawings using given measurements.	parallelograms and triangles, for example,
			by dissection, and calculate their areas,
Pupils use both analogue and digital 12-		Pupils use all four operations in problems	understanding and using the formulae (in
hour clocks and record their times. In this		involving time and money, including	words or symbols) to do this.
way they become fluent in and prepared		conversions (for example, days to weeks,	
for using digital 24-hour clocks in year 4.		expressing the answer as weeks and	Pupils could be introduced to compound
		days).	units for speed, such as miles per hour.
			and apply their knowledge in science or
			other subjects as appropriate
recognising the value of coins, by adding and subtracting amounts, including mixed units, and giving change using manageable amounts. They record £ and p separately. The decimal recording of money is introduced formally in year 4. Pupils use both analogue and digital 12- hour clocks and record their times. In this way they become fluent in and prepared for using digital 24-hour clocks in year 4.		 expressed algebraically 4 + 2b = 20 for a rectangle of sides 2 cm and b cm and perimeter of 20cm. Pupils calculate the area from scale drawings using given measurements. Pupils use all four operations in problems involving time and money, including conversions (for example, days to weeks, expressing the answer as weeks and days). 	Using the number line, pupils use, add and subtract positive and negative integers for measures such as temperature. They relate the area of rectangles to parallelograms and triangles, for example, by dissection, and calculate their areas, understanding and using the formulae (in words or symbols) to do this. Pupils could be introduced to compound units for speed, such as miles per hour, and apply their knowledge in science or other subjects as appropriate.