Cookridge Primary School: Year 6 Objectives - Mathematics

Basic Skills (Fluency) by the end of Year 6:			Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
1. R	Read, write, order and compare numbers to at least							
1	.0,000,000 and determine the value of each digit.							
2. R	Read, write, order and compare numbers with up to three							
d	lecimal places.	-		-				
3. R	Recap on number bonds and bridging through given numbers.							
4. R	Recall multiplication and division facts for multiplication							
ta	ables up to 12 × 12.							
5. R	Round any number up to 1 000 000 to the nearest 10, 100,							
1	.000, 10 000 and 100 000 and those numbers with decimals.							
6. R	Recall Mathematical facts and vocabulary related to							
	$r_{\rm restriction}$ inderstanding e.g. Measure – $r_{\rm restriction}$							
(1	total 360° angles at a point on a straight line and $1/2$ a turn							
(1	total 180°), other multiples of 90°.							
Key L	earning for Secure	leck	Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
D	Place Value	o ch						
1. T	The pupil can demonstrate an understanding of place value	n t(
ir	ncluding large numbers and decimals.	atio						
2. 0	Child to count in 1/3s, 1/5s. 1/8s .	berg						
tibbA	ion and Subtraction (Teach inverse, e.g. $7+3=10/10-7=2$)	do e		<u> </u>		1		
3. T	The pupil can calculate mentally, using efficient strategies	erse						
S	uch as manipulating expressions using commutative and	ľ						
d	listributive properties to simplify the calculation (e.g. $53 - 82$	se						
+	- 47 = 53 + 47 - 82 = 100 - 82 = 18; 20 × 7 × 5 = 20 × 5 × 7 =	n p						
1	.00 × 7 = 700; 53 ÷ 7 + 3 ÷ 7 = (53 +3) ÷ 7 = 56 ÷ 7 = 8).	n an						
4. T	he pupil can use formal methods to solve multi-step	tion						
р	problems.	ula						
Multi	plication and Division (Teach inverse e.g. 2x5=10/10÷2=5)	calc						
5. T	he pupil can use formal methods to solve multi-step	or 0						
p	problems (e.g. find the change from £20 for three items that	E						
C	ost £1.24, £7.92 and £2.55; a roll of material is 6m long: how	ble						
n	nuch is left when 5 pieces of 1.15m are cut from the roll?; a	brd						
D	bottle of drink is 1.5 litres, now many cups of 175ml can be	оа						
Fractions (Decimals)								
	The numil can recognize the relationship between fractions	NS N						
d. 1	lecimals and percentages and can express them as equivalent	an						
a d	mantities (e.g. one piece of cake that has been cut into 5	th€						
e	equal slices can be expressed as 1/5 or 0.2 or 20% of the	ate						
v	vhole cake).	tim						
7. T	he pupil can calculate using fractions, decimals or	Est						
р	percentages(e.g. knowing that 7 divided by 21 is the same as							
7	//21).							
Measurement (Every half term)								
M1 –	The pupil can calculate with measures (e.g. calculate							
	length of a bus journey given start and end times; convert							
	0.05km into m and then into cm).	-						
Geometry (Every half term)								
G1 -	The pupil can substitute values into a simple formula to							
	solve problems (e.g. perimeter of a rectangle of area of a							
G2 - The pupil can use mathematical reasoning to find missing						+		
angles (e.g. the missing angle in an isosceles triangle when one								
of	the angles is given: the missing angle in a more complex							
di	agram using knowledge about angles at a point and vertically							
opposite angles).								