Jarrow Cross CE Primary School Numeracy Assessment – Year 2

(Notes & guidance; non-statutory)

NUMBER & PLACE VALUE	**E**	**D**	**S**
count in steps of 2, 3 & 5 from 0			
count in steps of 10 from any number forward & backwards			
compare and order numbers from 0 up to 100, using <, > and = signs			
read & write numbers to at least 100 in numerals & words			
recognise the place value of each digit in a two-digit number			
use place value and number facts to solve problems			
partition numbers in different ways (23 = 20 + 3 and 23 = 10 + 13)			
use materials & a range of representations to count, read, write & compare numbers			
recognise the pattern within the number system for numbers beyond 100			
ADDITION & SUBTRACTION			
recall and use addition and subtraction facts to 20 fluently			
derive and recall all pairs of multiples of 10 with totals up to 100			
know what must be added to any two-digit number to make the next multiple of 10			
add near doubles			
add 2 two-digit numbers crossing boundaries			
add 3 one-digit numbers crossing boundaries			
subtract 2 two-digit numbers crossing boundaries			
know addition is commutative and subtraction is not			
MULTIPLICATION & DIVISION			
recall and use multiplication and division facts for the 2, 5 & 10 multiplication tables			
recognise odd and even numbers to 100			
know multiplication is commutative and division is not			
know doubles to 20			
double any multiple of 5 to 50			
know all doubles of multiples of 10 to 100			
halve any multiple of 10 up to 100			
find halve of even numbers to 40			
solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods using x, ÷ and =			
use commutativity & inverse relationships to develop multiplicative reasoning (4 x 5= 20 so 20 ÷ 5 = 4)			
FRACTIONS			
recognise, find, name and write fractions $^1/_3$, $^1/_4$, $^2/_4$ and $^3/_4$ of a length, shape, objects & quantity			
recognize the equivalence of ½ and $^2/_4$ & use it on a number line			
write simple fractions, including amounts			
count in fractions up to 10, starting from any number			
MEASURES			
compare and order ***lengths***, ***mass, volume/capacity*** and record the results using >, < and =			
choose and use appropriate standard units to estimate and measure ***length/height*** (m/cm) ***mass*** (kg/g) ***temperature*** (°C) ***capacity*** (litres/ml) to the nearest appropriate unit			
recognize and use symbols for pounds (£) and pence (p)			
combine amounts to make a particular value			
find different combinations of coins that equal the same amounts of money			
solve simple +/- problems of money of the same unit, including giving change			
compare and sequence intervals of time			
tell the time to quarter past/to the hour & draw the hands on a clock face			
tell the time to five minutes and draw the hands on a clock face to show these times			
know the number of minutes in an hour know the number of hours in a day			
GEOMETRY: PROPERTIES OF SHAPE			
identify and describe the properties of 2-D shapes, including number of sides & symmetry			
identify and describe the properties of 3-D shapes, including edges, vertices & faces			
identify 2-D shapes on the surface of 3-D shapes			
compare and sort common 2-D & 3-D shapes and everyday objects			
GEOMETRY: POSITION & DIRECTION			
order and arrange combinations of mathematical objects in patterns and sequences			
use mathematical vocabulary to describe position, direction and movement *(movement in a straight line, distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns clockwise and anti-clockwise)*			
STATISTICS			
Interpret & construct simple pictograms, tally charts, block diagrams, simple tables			
ask and answer simple questions by counting the number of objects in each category			
sort categories by quantity			
ask and answer questions about totalling and comparing categorical data			
use pictograms with simple ratios 2, 5, 10			