Second Level Number activities

Activity	Description
Answer iswhat	Child is given a number and must find calculations which fit it.
is the question?	
Band Aids	A "Show Me" activity using elastic band strips (a strip of card, graduated
	on one side and blank on the other, with an elastic band around it). Child
	shows where the number/fraction is on the blank side, e.g. If one end is
	zero and the other end is one, where will 0.56 be? Next, the strip over to
	check how accurate their estimate is.
Behind the Wall	Adult slowly slides a number/ shape up behind a cardboard "wall" and
	stops when part of it is showing. Child shows/tells the adult what the
	number/shape might be and discuss alternatives. adult reveals the next
	part of the number/shape and repeats "Show/Tell Me" activity. This
	continues until the whole number/shape is revealed.
Biggest Total	Child uses digit cards 1 to 7. Adult challenges them to arrange all the
	cards into 1 and 2 digit numbers to make the biggest total possible.
	Repeat for the smallest total possible.
Bingo	Child draws a square grid of a specified size then fill their grid with
	numbers as requested (numbers to 20, even numbers etc.) Adult calls
	out pairs of numbers. Child adds these numbers and crosses out any
	answers which they've written on their square. Alternatively, the adult
	can call out specific calculations (e.g. double 1326 minus 10)
Buzz	Adult chooses a multiplication table, e.g. 4x. Childs starts at 1 and takes
	turns with the adult to recite numbers in sequence, substituting multiples
	of 4 with the word buzz, e.g. one, two, three, buzz , five, six, seven,
Coloulator	DUZZ EIC.
Dattorno	Set the calculator to add a given number repeatedly (e.g. 5++- sets the
Fallerns	the pattern or say what the payt number will be
Carda	Take it in turne to turn over a cord from a suit of cords. Calculate the
Calus	rependitive of the subsequent card being higher or lower. If shild/adult
	quesses correctly a point is scored. The wipper is the player with the
	most points once all the cards have been used
Chain Sums	Childs sit with their eves closed. Adult gives a chain sum, e.g.
Onani Sunis	$4 + 7 = 2^{\circ} 3 \times 5 + 7^{\circ} 40 \div 7 + 5 \text{ oto}$
	Child opens eves and shares the answer
Coverlins	Child covers the answer to a given question with counters/markers, e.g.
	cover μ_{r} all the multiples of 7 th the number which is 40 more than 26
	etc
Dead Stop	Child counts forwards or backwards within an appropriate number range
	and stop when they've have counted a certain number of jumps, e.g.
	count back 6000 from 7250 in jumps of 1000
	Alternatively give child starting and finishing numbers and size of jump
	Independently, count within these numbers, then say how many jumps
	have been counted e.g. Jump on from 737 to 817 in tens. How many
	jumps?

Find my Rule	Draw two boxes, each containing a list of around six numbers. Tell the
,, ,, ,	child there is one rule for putting numbers in the box on the left and a
	different rule for putting numbers in the box on the right. Reveal the
	numbers in each box one row at a time. What could the rule(s) be?
Fit a Sequence	Adult writes a pair of numbers out for the child. The child must provide
•	all the numbers that will fit between the given numbers to form a
	sequence, e.g. 9 and 25 could generate the following:
	9, 11, 13, 15, 17, 19, 21, 23, 25 (odd)
	9, 13, 17, 21, 25 (difference of 4)
	9, 16, 25 (square numbers)
Fraction Snap	Adult says or writes a fraction then child writes an equivalent fraction.
Function	Draw a simple function machine. Choose a function, e.g. x7 and write
Machines	this on the machine. Play "Show Me" to match which number comes out,
	e.g. Show me which number will come out if I put in 6.
	Alternatively, tell child which number is going to come out of the
	machine and ask them to show which number went in.
Guess My Number	Adult thinks of a number but does not reveal it. She/he then gives one
	fact about the number, e.g. it is odd. Child tries to guess the number and
	writes down possible answers. Adult provides further facts about the
	number, one by one, with child's suggestions being shown after each
	fact until number has been guessed.
Hold That Thought	A chain sum in context, e.g. people getting on and off a bus. Pause
	after each statement and tell Unlids to "Hold that thought", e.g. There
	are 22 people on the bus. At the first stop 5 get off and 7 get
Imaginany	On
Multiplication	Child closes their eyes and pictures the multiplication square in their heads. Adult pages questions or a l'm leaking at 16. To the left is 12
Squaro	What number is to the right/above/underneath?
Jugaling Numbore	Adult introduces three numbers and a target number which must be
Jugging Numbers	made using all numbers in the set of three. The child may add, subtract
	multiply or divide but can only use each number once e.g. use 4.6 &
	20 Target number is 2 Answer: $20 \div (6+4) = 2$
	Ensure child use brackets to indicate the order in which to calculate
	Adult may choose to play a short piece of music. Child has until the
	music runs out to find the solution.
Missing Signs	Adult displays a number sentence with the operations missing, e.g. 64 *
	3 * 2 * = 134. Child tries to solve the problem before time up/music runs
	out.
Multiplication Trio	Child is given 3 numbers and a target number, e.g. "I multiply 3 numbers
•	together. The answer is 60. What could the numbers be?" Child is then
	given a set time to work out as many possibilities as he/she can.
Number Chains	Start with a small number, e.g. 1. Apply a pair of operations to it, e.g. x2
	then +2. Then apply the same operations to the result and all successive
	results. Write the resulting sequence on a piece of paper: 1, 4, 10, 22,
	etc. Child indicates when he/she thinks they know what the two
	operations are and continues the sequence.
Number Lines	Use for:
	counting on and back in single numbers or multiples; estimating position
	of numbers; order, equivalence and value of whole numbers, fractions or
	decimals.

Number	Adult gives the sum of two or more consecutive numbers (ensuring the
Neighbours	sum is always odd). Child works out what the numbers could be, e.g.
	The sum of two consecutive numbers/number neighbours is 17. What
	are the numbers? (8 & 9)
Pendulum Count	Counting on and back to match the swing of a pendulum.
Rotation Game	Start with child facing north. Child closes eyes and listens for command
	(e.g. turn to face NE, turn 270°).
Save the Cat!	Write down a number within a certain range, e.g. 0 - 1000 but don't let
	the child see it. Next he/she must try to guess the number by asking no
	more than nine questions i.e. the child must save the cat before it runs
	out of lives!
Show Me	Child uses visual resources to show the answer simultaneously in
	response to a question.
Silent Counting	Child counts silently along to a regular rhythm (e.g. clapping) but only
	says out loud every 2 nd or 3 rd number.
Songs & Raps	Child sings or invents songs and raps (with or without actions) to help
	recall of number facts.
Target Numbers	Challenge child to make a given number by performing a specified
	operation, e.g. "give me 3 numbers which add to 100."
Target Ten	Challenge child to find as many different ways as possible to make the
	number ten using the digits 2, 3 and 4. Encourage child to be
	adventurous, e.g. $(32 \div 2) - (2 \times 3)$. Ensure child uses brackets to
	indicate the order in which to calculate.
Tell Me About	Give a number, shape name etc and ask each child to give a different
	fact about it.
Thigh Clap	Child claps thighs, hands then snap fingers (or other actions) while
	counting on or backwards by different amounts. Vary the pace by asking
	child to respond on the second snap only, on both snaps or on every
	action.
Too Big, Too	Adult writes a number range on a piece of paper, e.g. 0 – 100. Child
Small	thinks of a number within that range. The response from the first adult
	can only be "too big" or "too small". The then thinks of the next number.
	After a few rounds ask child to think of a good strategy for working out
	the number with the fewest guesses.
Trios	Write + and – or x and ÷ in the centre of a triangle and a number in each
	corner. Child identifies and records the four related facts.
	Alternatively, child writes a number in one corner and two factors in each
	of the other corners, e.g. 20, 4 and 5.
What's the	Child uses the digits 1, 2, 3 and 4 to make as many division sums as
Division?	possible with a remainder of 1. Each digit can only be used once in each
	division, e.g. 13 ÷ 2 = 6 remainder 1
	43 ÷ 2 = 21 remainder 1
	Repeat for remainders of 2, 3 and 0. The activity can also be done using
	different digits, e.g. 2, 3, 4 and 5.

Will I Say?	Tell child that you have a picture of a number line in your head. You are
	going to count back on it. Ask questions such as:
	I'm counting back in 5s from 32. Will I say 15?(no)
	I'm counting back in 4s from 44. Will I say 0? (yes)
	I'm counting back in 3s from 7. Will I say negative 10? (no)
	Child explains how he/she arrived at their answer and confirms answers
	by counting back.