Weekly Planning Sheet for Mathematics   Year: 4   Autumn 1   Week 6

	Mental/Oral	Main Activity	Plenary
	Objectives and Activity	Objectives and Activities	Key points and homework
Day 1	**L.O: To be able to answer mental maths questions in a given time** **Number Star tests.** Children will be given the level that they are on.	L.O To multiply and divide by 10 and 100

Use place value chart show eg 7 – show 70 – what is the same what is different
-Digit moving – place holder needed if columns empty
X10-right 1 place
Ask what if I am multiplying by 100 2 places

Wait for opportunity to displace misconception of just adding 10 by using a decimal number

Set them off-as children finish in groups model what do you think will happen if we divide
Ensure ch use wipe clean place value chart
ES multiply and divide by 10 and 100 single to 3 digit numbers including decimals
GD missing blanks extension – see resources eg 23---2300 – they have to calculate that it must have been x 100 | So what is |
| Day 2 | **L.O. To be able to double and halve any number up to 1000** Chn given a range of numbers to double and halve. | **L.O. To convert units of measurement** Ask how many cm in a metre? So if I am given a length of measurement in metres, what do I need to do to find how many cm? Then ask what if it is the other way around?

Move to mm in a cm

So how will what we have just learnt help us?

Remind children of the importance of the units of measurement

ES convert metres to cm and back, mm to cm and back
GD as above and extend to fill in the blanks and word problems | If mr x is 1.3m tall how many cm is this

Who is the tallest- give height in metres other in cm – prove it |

Day 3	==Quick fire challenge – x/ by 10 100== ==Then input what if we have to x/ by 1000==	==Recap how many cm in a metre== ==How many mm in a cm== ==Then ask how many m in a km== ==How do we use what we just learnt in the starter..== ==Then ask how do we measure weight – show scales== ==Capacity show jug== ==If kg=1000g what do we have to do and repeat with 1l=1000ml== ==ES convert km,L and KG to m,ml and g and back== ==GD s0me of above then move to mixed conversion word problems==	
Day 4	==L.O to secure mult and div facts== ==Look at 4's doubling to 8== ==Talk strategies==	**L.O. To use place value to order 4 digit numbers and compare decimals** As a class order the different sets of numbers from smallest to largest. Look at 3 digit numbers, then a mixture of 3 and 4 digit numbers and then 4 digit numbers. Move on to ordering decimal numbers. **ES: ordering 5 digit numbers, using less than and greater than symbol to compare numbers** **GD: ordering and comparing 5 digit numbers and decimals**	Which digit should we look at first to help us to order the numbers?
Day 5	==L.O. To== improve mental strategies **Recap halving odd tens and odd numbers** **Look at sequences outside of times tables**	==L.O. To be able to reason logically== Give children some statements that they need to investigate. They must prove if the statement is always true, sometimes true or never true. ● Adding any three numbers will always equal an odd number. ● If the digits of any number add up to a multiple of 3, then the number is divisible by 3. ● Multiplying by any number always makes the result larger. ● Dividing a number by something always makes it smaller. ● 2 odd numbers + 1 even number are always even.	Prove to your partner why your answer is correct. What evidence do you h ave?

| | | **ES - 2 and 3 digit numbers**
GD - multiplying decimals | |