

Autumn Term

Lesson 1:	Week 8
Title	Counting and Properties of Numbers
Learning Objective:	<ul style="list-style-type: none"> ● count on in steps of any size ● solve number patterns ● make up our own number patterns.
Mental Warm Up:	Clap back. Your teacher will clap a pattern. You must now clap the same pattern back. Listen carefully. Count the different parts of the pattern.
Main Lesson Idea:	Today we are going to be looking for patterns in number sequences.
Educational Challenges	<ul style="list-style-type: none"> ● Complete a 10 x 10 grid. Make an alternating pattern. ● Complete a 10 x 10 grid. Make a regular pattern. ● Complete a 10 x 10 grid. Make a regular pattern and continue pattern for numbers over 100.

Lesson 2:	Week 8
Title	Counting and Properties of Numbers
Learning Objective:	<ul style="list-style-type: none"> ● count on in steps of any size ● solve number patterns ● make patterns agree with rules ● make alternating patterns.
Mental Warm Up:	Today you are going to practise your number bonds up to 10.
Main Lesson Idea:	Today we are going to continue looking for and using patterns or rules in number sequences.
Educational Challenges	<ul style="list-style-type: none"> ● Practise number sequences using a hundred square. ● Practise number sequences. ● Practise number sequences. Then write own number sequences for partner to complete.

Lesson 3:	Week 8
Title	Reasoning about Numbers
Learning Objective:	<ul style="list-style-type: none"> ● investigate square numbers ● find ways of investigating numbers ● find square numbers by using a pattern.
Mental Warm Up:	How far can you count up to?
Main Lesson Idea:	Today we are going to investigate square numbers.
Educational Challenges	<ul style="list-style-type: none"> ● Investigate square numbers. Draw and cut out squares in increasing size. ● Investigate square numbers. Draw and cut out squares in increasing size. ● Investigate square numbers. What will the next square look like?

Lesson 4:	Week 8
Title	Reasoning about Numbers
Learning Objective:	<ul style="list-style-type: none"> ● solve word problems ● recognise odd and even numbers ● find and talk about general statements ● develop mental strategies.
Mental Warm Up:	Today you are going to count on and back from odd and even numbers.
Main Lesson Idea:	Today we are going to solve a word problem using different methods.
Educational Challenges	<ul style="list-style-type: none"> ● Work on 'socks' problems. - Make differentiated sheets

Lesson 5:	Week 8
Title	Reasoning about Numbers
Learning Objective:	<ul style="list-style-type: none"> ● add and subtract ● use the words used to add and subtract ● add several numbers together and find the differences by counting on.
Mental Warm Up:	Today you must find the pairs of numbers which have a sum of 12.
Main Lesson Idea:	Today we are going to use our addition skills to find missing numbers in 'magic' squares.
Educational Challenges	<ul style="list-style-type: none"> ● Complete magic squares as a group then on your own. ● Complete magic squares. ● Complete simpler magic squares.