

Spring Term

Lesson 1:	Week 8
Title	Counting and properties of numbers
Learning Objective:	<ul style="list-style-type: none"> ● recognise odd and even numbers ● investigate number problems and puzzles ● explain methods, reasoning and relationships.
Mental Warm Up:	Listen to a sequence of number operations (+, -, ÷, x). Calculate the end number.
Main Lesson Idea:	Today we are going to identify odd and even numbers.
Educational Challenges	<ul style="list-style-type: none"> ● Investigate whether there would be an equal number of odd and even totals for all possible sums of dots on dominoes. Predict first. ● Sort dominoes into those with an odd total number of dots and those which have an even number. ● Sort dominoes into those with an odd total number of dots and those which have an even number.

Lesson 2:	Week 8
Title	Counting and properties of numbers
Learning Objective:	<ul style="list-style-type: none"> ● recognise odd and even numbers ● devise and continue a number pattern ● describe a pattern.
Mental Warm Up:	Play Add the throw. The 'leader' must choose a multiple of 10. I will throw a large dice. Add the dice number to the number chosen by your leader. What is the new total?
Main Lesson Idea:	Today we are going to make patterns and describe them in terms of odd or even numbers.
Educational Challenges	<ul style="list-style-type: none"> ● Make a repeating pattern using the available resources. Describe it using the words 'odd' and 'even'. ● Make a pattern and describe it using the words 'odd' and 'even'. Ask a friend to check the description. ● Write a pattern using the words 'odd' and 'even'. Can a friend make a pattern that fits the description?

Lesson 3:	Week 8
Title	Counting and properties of numbers
Learning Objective:	<ul style="list-style-type: none"> ● recognise and continue or complete number patterns ● describe a pattern or rule ● devise a number pattern ● recognise odd and even numbers.
Mental Warm Up:	How many pairs of numbers can you give me with a difference of 2? You will be timed for two minutes.
Main Lesson Idea:	Today we are going to look for rules in sequences of numbers and then continue or complete them.
Educational Challenges	<ul style="list-style-type: none"> ● Complete number sequences. ● Try making number sequences using big numbers for a friend to complete.

Lesson 4:	Week 8
Title	Counting and properties of numbers
Learning Objective:	<ul style="list-style-type: none"> ● recognise odd and even numbers ● recognise a pattern ● explain what we did.
Mental Warm Up:	Add the throw. The leader should choose a multiple of 10. Throw a 1-6 dice and a dice marked with + or -. Add or subtract the dice number to or from the leader's number.
Main Lesson Idea:	Today we are going to investigate what happens when you add odd and even numbers.
Educational Challenges	<ul style="list-style-type: none"> ● Investigate adding two odd numbers together and then two even. Explain the pattern. ● Make addition number sentences using two odd number cards and then two even. Look for patterns. ● Investigate the subtraction of odd and even numbers.

Lesson 5:	Week 8
Title	Counting and properties of numbers
Learning Objective:	<ul style="list-style-type: none"> ● recognise odd and even numbers ● recognise a pattern, generalise and make predictions ● explain reasoning.
Mental Warm Up:	How many pairs of numbers can you give me with a difference of 2? You will be timed. Can you beat your last score?
Main Lesson Idea:	Today we are going to add odd and even numbers.
Educational Challenges	<ul style="list-style-type: none"> ● Find ways of making 11 mentally by adding three numbers. Look for patterns. ● Use interlocking cubes to make sticks of 11 which can be broken into three parts. How many of the ways contain only odd numbers? ● Find ways of making 11 by adding three numbers. How many of the ways use three odd numbers?