

Rounding and Estimating : Maths : Year 3 : Summer Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to round numbers to the nearest 10 or 100.	Children will learn how to round numbers to the nearest ten and the nearest hundred. They will round numbers in order to find approximate answers to addition questions and investigate rounded numbers that reach a given total when added together.	<ul style="list-style-type: none"> • Can children round to the nearest 10? • Can children round to the nearest 100? • Can children use rounding to find approximate answers in addition calculations? 	<ul style="list-style-type: none"> • Slides • Worksheet 1A/1B/1C • Bingo Game Sheet (FSD? activity only) • Digit Cards
Lesson 2	To be able to identify characteristics of numbers and to order and compare numbers.	Children are challenged to think of as many properties of three-digit numbers as they can, including whether it is odd or even, what each digit is worth and what the number can be rounded to. They will order and compare numbers and think about ways of grouping a set of numbers according to their own criteria.	<ul style="list-style-type: none"> • Can children describe some properties of three-digit numbers? • Can children identify similarities and differences between two numbers? • Can children order numbers? 	<ul style="list-style-type: none"> • Slides • Number Cards 2A/2B/2C/2D • Worksheet 2A
Lesson 3	To be able to make estimates of numbers.	Children will make estimates of the number of objects in a given set, exploring how to make reasonable estimates as they develop their understanding. They will also check their estimates to see how close their estimates were in order to help inform future estimates.	<ul style="list-style-type: none"> • Can children make reasonable estimates for small numbers of objects? • Can children make reasonable estimates for larger numbers of objects? • Can children check their estimates accurately and check how close they were? 	<ul style="list-style-type: none"> • Slides • Worksheet 3A/3B/3C/3D • Cubes, counters and paperclips
Lesson 4	To be able to make estimates in real-life contexts.	Children will use a scaled map to make estimates as to the distance between various cities. They can also estimate the length, weight and capacity of a variety of different objects. They will compare their estimates to actual measurements to see how close their estimates were.	<ul style="list-style-type: none"> • Can children use knowledge of length, weight and capacity to make estimations? • Can children use the correct units of measurement for measuring length, weight and capacity? • Can children find the difference between an estimate and an actual measurement? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C/4D • UK Cities Map • Answer Sheet A/B • Calculators • Estimate Cards (FSD? activity only)
Lesson 5	To be able to make estimates in practical contexts.	Children will make estimates about the duration of different events. They will estimate the time it takes, for example, to write their name, then check their estimates against an accurate time. They are challenged to work out the difference between their estimate and the actual measurement.	<ul style="list-style-type: none"> • Can children make accurate estimates? • Can children find the actual answers to questions to compare to an estimate? • Can children find the difference between an estimate and an actual answer? 	<ul style="list-style-type: none"> • Slides • Stopwatches • Worksheet 5A/5B/5C/5D • Estimate Cards (FSD? activity only) • Items for question card challenges, e.g. marbles, counters, cubes, plastic cups, plastic bottles, jam jars, etc. (FSD? activity only)