Additive Reasoning 1.2		Length of unit: **3 weeks**	Week beg:	Year: 1	Teacher:

Success criteria Pupils can solve addition and subtraction problems using their knowledge of one more and one less and number bonds.	**Learning over the year:** **This is what the children need to have learnt over the whole of Year 1.** - count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number - given a number, identify one more and one less - read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs - represent and use number bonds and related subtraction facts within 20 - add and subtract one-digit and two-digit numbers to 20, including zero - solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9 - recognise and use language relating to dates, including days of the week, weeks, months and years - sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	**Resources** Maths vocabulary book Using and Applying in every maths lesson Assessment through guided maths Think Maths! Pitch and Expectations Y1 Models and Images Securing Level 1 Overcoming Barriers to Learning – Levels 1 to 2

Guidance

Pupils memorise and reason with number bonds to 10 and 20.

They should realize the effect of adding or subtracting zero.

They discuss and solve problems in familiar practical contexts, including using quantities. Problems should include the terms put together, add, altogether, total, take away, distance between, difference between more than and less than so that pupils develop the concept of addition and subtraction and are enabled to use these operations flexibly.

Learning objectives	Pupil outcomes:
Learning objectives Pupils should be taught to: Number and place value • given a number, identify one more and one less Addition and subtraction • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \boxed{} - 9$ Measurement • sequence events in chronological order using language such as before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. • recognise and use language relating to dates, including days of the week, weeks, months and years.	I can show and explain how I know what happens if there are ten frogs in a pond and one jumps out, without counting the frogs that are left. I can show and explain how I know what happens if five frogs jump out, without counting the frogs that are left. I can explain how I know what the date is tomorrow and what it was yesterday.