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| **Reception Maths** |
| **Key vocabulary for Number**Number, zero, one, two, three ..... to twenty (and beyond) teens, eleven, twelve, none How many? Count on (to or from) count up (to), count back (to or from) count in ones, twos, fives, tens the same as, equals, balances, as many as larger, bigger, greater, biggest, most less, fewer, smaller, smallest, least odd, even pattern, ones, tens, digits, compare, order, size, first, second, third...... last, before, after, next, between, guess, estimate, nearly, close to, about, just over, just under, too many, too few, enough, not enough, more**Key Vocabulary for Calculation**Number, zero, one, two, three ..... to twenty (and beyond) teens, eleven, twelve, none How many? count on (to or from) count up (to), count back (to or from) count in ones, twos, fives, tens the same as, equals, balances, as many as, make more, larger, bigger, greater, biggest, most less, fewer, smaller, smallest, least odd, even pattern ones, tens, digits add, more, and, make, total, sum, altogether How many more to make......? How many more is …..than....?Take away How many are left? How many are gone?How many fewer is… .difference between, sharing, doubling, halving parts of a whole, half, quarter**Key Vocabulary for SSM**Position: Position Over, under, above, below, top, bottom, side, On, in, outside, inside, around, in front, behind, back, front, beside, next to, opposite, apart, between, middle, edge, corner Direction: left, right, up, down, forwards, backwards, sideways, Across, next to, close, near, far along, through, to, from, towards, away fromMeasure: size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, just over, just underWeigh, weighs, weight, weighs the same as, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scalesSize, compare, guess, estimate, Enough, not enough, too much, too little, too many, too few Nearly, close to, about the same as, just over, just under Length, height, width Long, short, tall. high, low wide, narrow, thick, thin Longer, shorter, taller, higher, longest, shortest, tallest, highest, far, near, closeTime : Days of the week (Monday, Tuesday etc.) Day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, now, soon, early, late Quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest new, newer, newest Takes longer, takes less time, hour, o’clock, clock, watch, hands Measure, size, compare, guess, estimateMoney : Coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay |
| People: Numberblock characters |
| Places:Shops, cafe |
| Events: Mothers’ Day/Fathers’ Day (Shopping) St David’s Day (Baking traditional recipes). Other events may be chosen in line with pupils current topics and interests.  |
| Knowledge:**Autumn:**Number and place value:* Recognise numbers of personal significance.
* Recognise numerals 1 – 5.
* Count out 6 objects from a larger group.
* Count an irregular arrangement of up to 10 objects.
* Find one more and one less than a given number.
* Counting to 10

Geometry:* Selects particular names 2-D shapes
* Uses familiar objects and common shapes to create and re-create patterns and build models.

Position:* Describe relative position.

**Spring:** Number and place value:* Finding the total number of two groups.
* Securing counting to 10 and beginning to count beyond 10.
* Beginning to add and subtract.
* Begin to count reliably with numbers from 1-20 and say 1 more/less than a given number. Some children will be able to say 2 more/less.

Geometry – 2D shape* Begin to use the names for 3-D shapes.
* Position – movement
* Recognise, create and describe patterns.

Measurement * Order items by length/height.
* Everyday language related to time.
* Order items by weight/capacity.
* Beginning to use everyday language related to money.
* Order and sequence familiar events.
* Measure short periods in simple ways.

**Summer** Number and Place Value: * Calculations: Addition and subtraction
* Securing working within numbers to 20.
* Solve practical problems that involve combining groups of 2, 3 or 10.
* Sharing into equal groups.

Geometry: * Recognize, describe and create patterns.
* Number and Place Value: Numbers to 20
* Calculations: addition and subtraction within 20
* Explore characteristics of everyday objects & shapes & use mathematical language to describe them.

Measurement* Estimate, measure, weigh and compare and order objects.
* Talk about time.

Position* Talk about their relative position and the position of objects.

Problem solving * Singapore maths style questioning
* Guided recording in Summer 1 of journaling
* Beginning to explore multiple ways of representing and solving problems.
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| Skills:* Develop confidence and mental fluency with whole numbers, counting and place value
* Using practical resources to model understanding
* Recognise, draw, describe, compare and sort different shapes
* Describe and compare different quantities e.g. length, mass, capacity, money
* Begin to speak using mathematical vocabulary confidently especially for four operations
* Count objects saying one number for each item counted.
* Count on from a given number.
* Count objects or items which cannot be moved.
* Estimate how many objects can be seen and check by counting.
* Use the language of more and fewer to compare.
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