

Fairfield Primary School



EYFS Mathematics Calculation Policy

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Learning for life trust

Fairfield Primary School Calculation Policy for: Nursery

Children Pre 3 will be learning to:

- Begin to compare and recognise changes in numbers of things, using words like *more*, *lots* or *same*
- Begin to say numbers in order, some of which are in the right order (ordinality)
- In everyday situations, take or give two or three objects from a group
- Begin to notice numerals (number symbols)
- Begin to count on their fingers

Key Vocabulary

Number names

1-2-3-5 etc.

'I'm going to have 2 grapes for snack'

'That's my number'

'That's on my front door'

One, two, three

More, lots, same

- Comparing:



*More, lots,
same*

- Saying numbers in order:



*5 little speckled
frogs sat on a
speckled log ...*

- Cardinality (how many?):



*I'm going to have
two crackers ...*

Fairfield Primary School Calculation Policy for: Nursery

3 & 4 year-olds will be learning to:

- Develop fast recognition of up to 3 objects without having to count them individually ('subisiting')
- Recite numbers past 5
- Say one number for each item in order: 1, 2, 3, 4, 5
- Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle')
- Show 'finger numbers' up to 5
- Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5
- Experiment with their own symbols and marks as well as numerals
- Solve real world mathematical problems with numbers up to 5
- Compare quantities using language: 'more than', 'fewer than'

Key Vocabulary

One
Two
Three
Four
Five
All of them
Lines
Dots
How many?
Matching
Not that one
Put them together
One after the other
Altogether
More than
Fewer than
Same
Different
Which one?
Total
One more
One less
Fair
Unfair
Six
Seven
Eight
Nine
Ten

- Counting and subitising:



1, 2, 3, 4, 5
"there are 5 bears".



Without counting, how many buttons can you see?

- Finger counting:



- Matching numerals to objects:



How many pencils belong in this pot?

- Mark making opportunities:



- Real world problem solving:



There are 4 of you but there are not enough chairs ...

- Comparing quantities:



Do we have the same number of conkers?

Fairfield Primary School Calculation Policy for: Reception

Reception will be learning to:	<ul style="list-style-type: none"> Count objects, actions and sounds Subitise Link the number symbol (numeral) with its cardinal number value Count beyond 10 Compare numbers Understand the 'one more than/one less than' relationship between consecutive numbers Explore the composition of numbers to 10 Automatically recall number bonds for numbers 0-10 	
Key Vocabulary	<p>One Two Three Four Five Six Seven Eight Nine Ten Adding Taking away Plus Subtract Equals Total Same Different More Less Odd Even Double Half How many? Fair Unfair Share</p>	<p>Sequence Order Big Bigger Small Smaller Lots Fewer Guess What can you see? Roughly similar Many Number bonds Minus Counting Sum Answer Is that all? Put them together How many altogether? What is left? What's the difference? Greater than Less than The same as Equal to Sharing</p>

- Counting objects, actions and sounds:



... 6, 7, 8 there are 8 apples



Clap with me 1, 2, 3



1 2 3 4 5, once I caught a fish alive ...

- Subitise:



I've rolled a 6!



There are 3 spaces, so there must be 7 circles

- Linking numerals to cardinal number value:

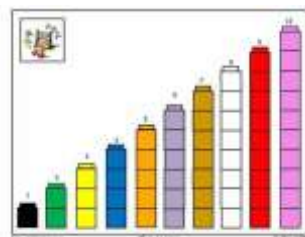


- Comparing numbers:



Who has more?

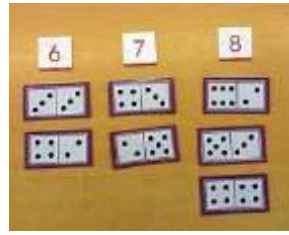
- The 'one more than/one less than' relationship between consecutive numbers:



6 is the same as 5 but with another cube

- Explore the composition of numbers to 10:

3 on that side and
3 on the other
side makes 6

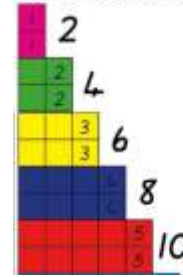


6 on that side
and 2 on the
other side
makes 8

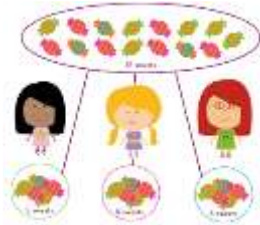


These numbers
are all odd ...

Doubles...



Can you share the
sweets equally?



1 and 1 makes 2!

2 and 2 makes 4 ...

- Number bonds to 10:

Number Bonds to 10

<p>10</p> <p>0 10</p> <p>$0 + 10 = 10$ $10 + 0 = 10$ $10 - 0 = 10$</p>	<p>10</p> <p>1 9</p> <p>$1 + 9 = 10$ $9 + 1 = 10$ $10 - 1 = 9$ $10 - 9 = 1$</p>	<p>10</p> <p>2 8</p> <p>$2 + 8 = 10$ $8 + 2 = 10$ $10 - 8 = 2$ $10 - 2 = 8$</p>
<p>10</p> <p>3 7</p> <p>$3 + 7 = 10$ $7 + 3 = 10$ $10 - 7 = 3$ $10 - 3 = 7$</p>	<p>10</p> <p>4 6</p> <p>$4 + 6 = 10$ $6 + 4 = 10$ $10 - 6 = 4$ $10 - 4 = 6$</p>	<p>10</p> <p>5 5</p> <p>$5 + 5 = 10$ $10 - 5 = 5$</p>

Fairfield Primary School Calculation Policy for: Reception

ELGS

Statutory ELG: Number

- Have a deep understanding of number to 10, including the composition of each number
- Subitise (recognise quantities without counting) up to 5
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts

Statutory ELG: Numerical Patterns

- Verbally count beyond 20, recognising the pattern of the counting system
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally