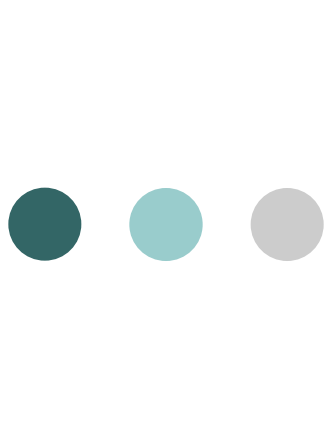
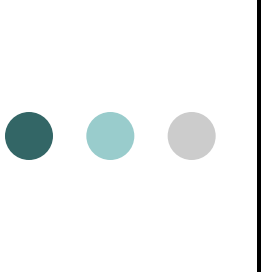




Maths Workshop

Monday 4th March 2019



Session Focus

Curriculum

Expectations for the end of Reception

Autumn term

Math's in the indoor and outdoor classroom

Pre number concepts

Number recognition

Counting and ordering

Shapes

Measurement

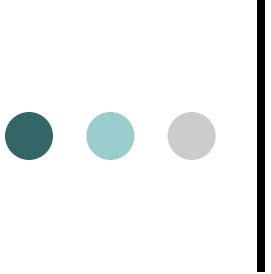
Patterning

Estimating

Ways you can help at home

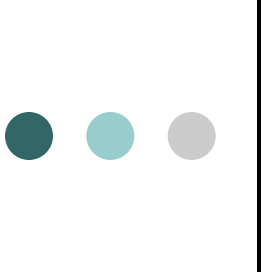
Dates for your diary





Early Learning Goal: Number

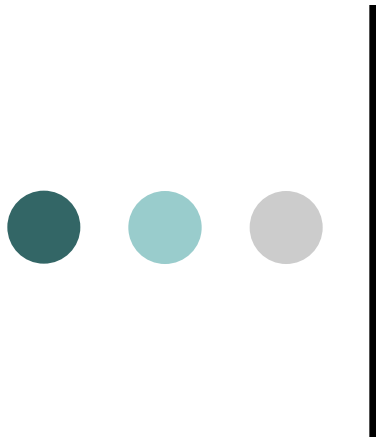
Children count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.



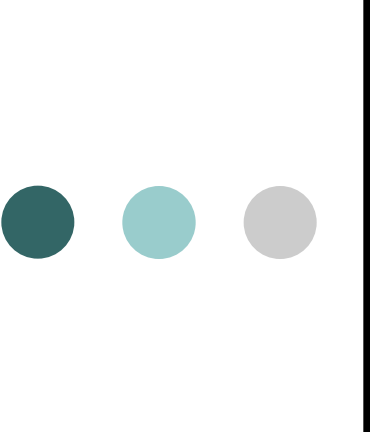
Early Learning Goal: Shape, Space and Measure

Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.

Exceeding Descriptor (Number)

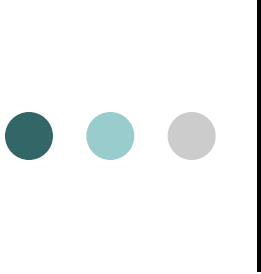


Children estimate a number of objects and check quantities by counting up to 20. They solve practical problems that involve combining groups of 2, 5 or 10, or sharing into equal groups.



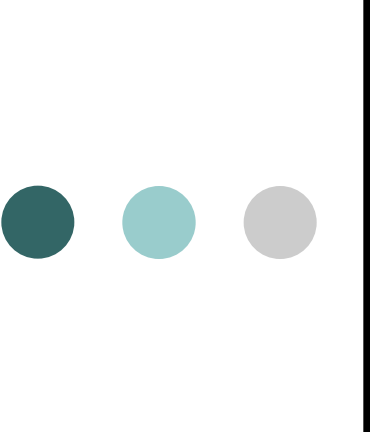
Exceeding Descriptor (Shape, Space and Measure)

Children estimate, measure, weigh and compare and order objects and talk about properties, position and time.



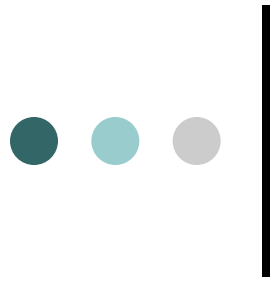
Autumn Term

- 40 – 60months beginning
- Number songs
- Looking for numbers and shapes in the environment
- Counting, ordering, matching the numeral to quantity
- Recognising numerals of personal significance
- Making patterns
- Naming common 2D and some 3D shapes



How did you learn Maths as a child?

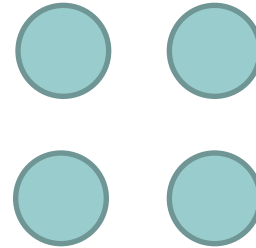
- Was it in a formal way?
- Did it require lots of memorisation?
- Did you learn how to work things out using only one method?
- Was it fun?
- Mindset



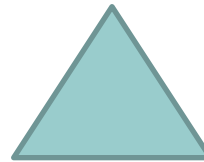
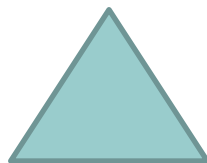
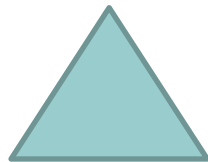
Pre Number Concepts



4



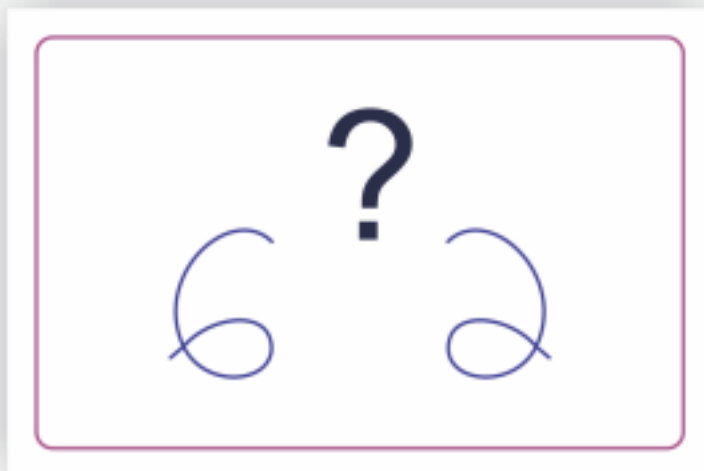
four



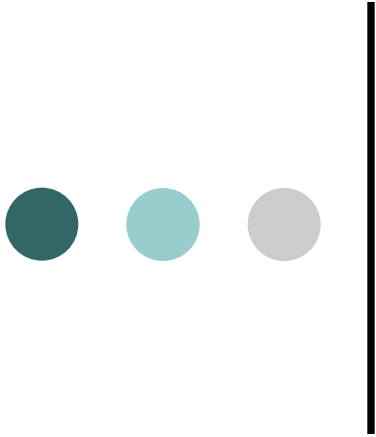
Number Recognition



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Early Number Skills



Straight line 1, it is fun.

**Around, and down, and out go you,
This is the way to make a 2.**

**Around the tree, around the tree,
This is the way to make a 3.**

**Down, across, and down some more,
This is the way to make a 4.**

**With a short neck and round his tummy,
put on his hat 5 sure looks funny.**

Down and a loop, 6 rolls a hoop.

**Straight across, and down from heaven,
this is the way to make a 7.**

**Make a S and do not wait,
climb back up to make an 8.**

A loop and a line makes a 9.

**Straight line, circle then,
That's the way to make a 10.**

Number Recognition

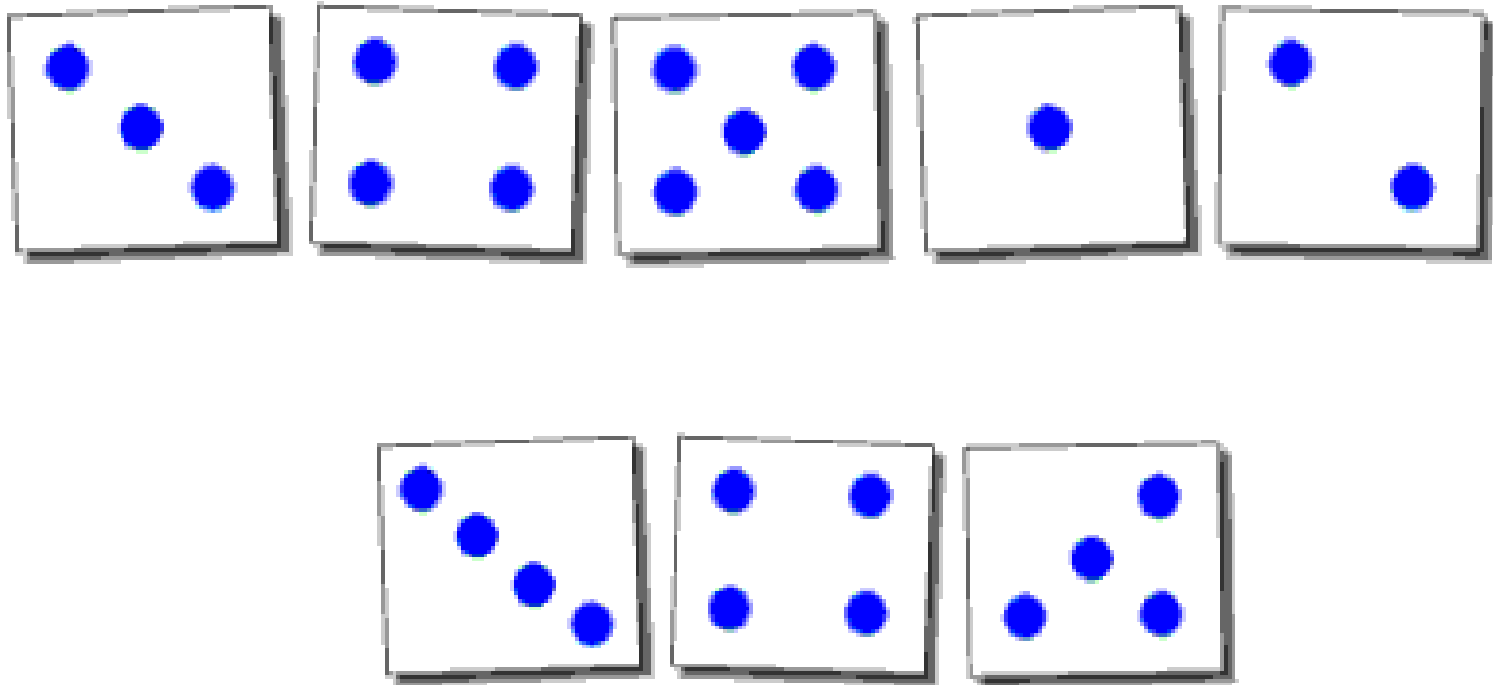


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Correcting your child

Counting and Ordering





Teaching Strategies

Repetition

Thinking out loud

Teaching beyond

Making it practical



Teaching Strategies

1:1 correspondence/accurate counting

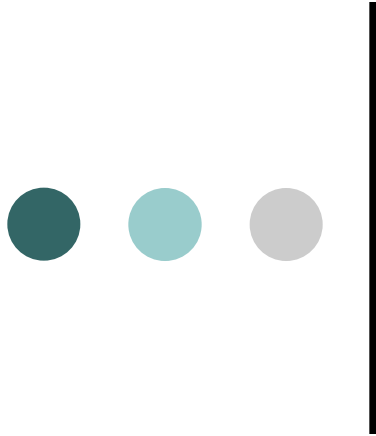
Using materials/Manipulatives

Counting on

Jumps on the number line

Tens frames

Skip counting



Vocabulary

Subtraction

Take away

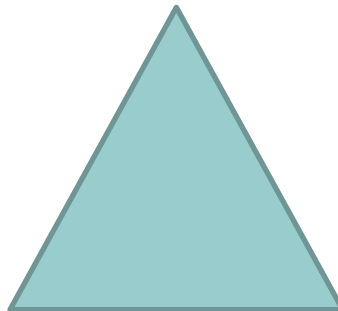
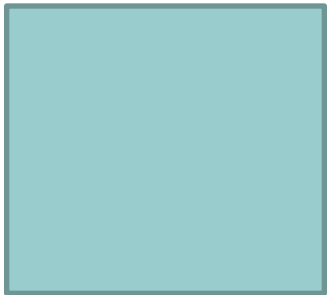
Minus

Number gets smaller



Shapes

Guess my shape!

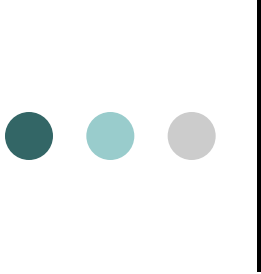


Measurement and Patterning



- ● ● | Estimating
Making a good guess





Ways you can help at home

Shopping lists

Going on a number hunt

Games like snakes and ladders

Measuring, weighing, counting when you are cooking

Singing number songs

Counting things outside and recognising shapes outside

Sharing food

Estimating the number of sweets in a jar

Shape patterns

Bingo with numbers or shapes