

Woodgrange Infant School EYFS (Early Years Foundation Stage)

Maths Workshop - December 2016



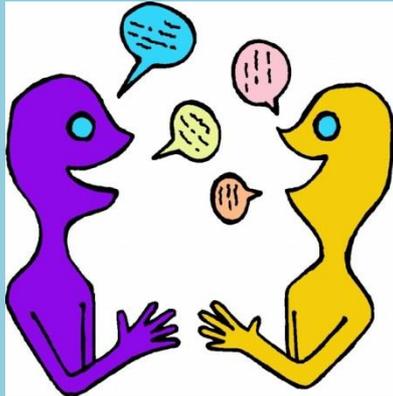
Aims of the session

- To inform you about the EYFS maths curriculum and what we are teaching your child this year
- Our Woodgrange approach to teaching maths in EYFS
- To provide you with ideas and activities to use at home to support your child's maths development

Early Years **Foundation** Stage



What are your memories
of learning maths at
school?



Growth Mindset

- We try
- We avoid saying I can't do that.. Saying instead 'I can't do that yet'
- We make mistakes and it's ok because mistakes help us to develop and often learn in more depth, e.g. understanding where we went wrong and problem solving
- We think and talk about how we learn, not just what we learn
- We avoid saying 'clever' but be more specific about how a child learnt.
- Anxiety about maths (and any subject) blocks learning - we shouldn't label ourselves as being 'bad at maths'. Be a positive role model to your children too.

Praise and feedback

clever boy

you're so talented

You got them all
right!

You did that so
quickly.

You're a natural!

VS

You worked really
hard, well done.

You didn't give up.

Well done, you are
learning to...

I like how you....

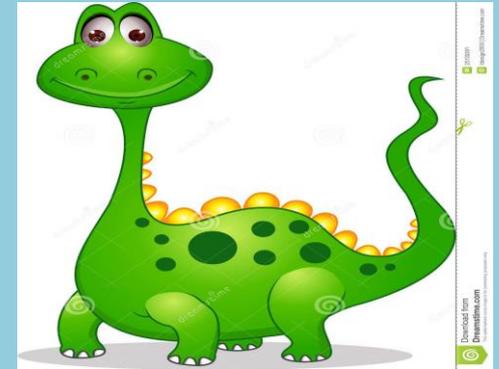
Learning Dinosaurs....



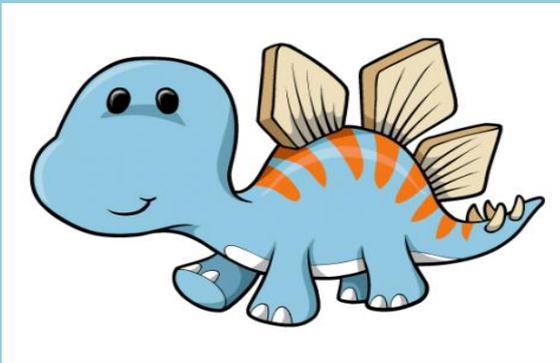
Thinkodocus



Explorosaur



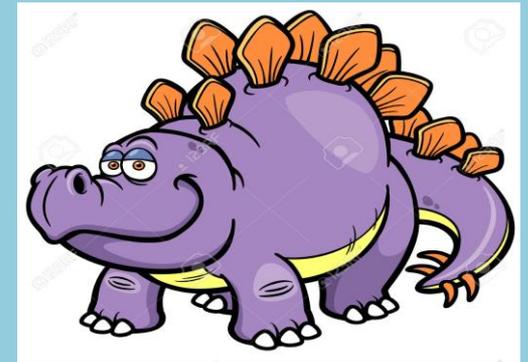
Tryatops



Shareonyx



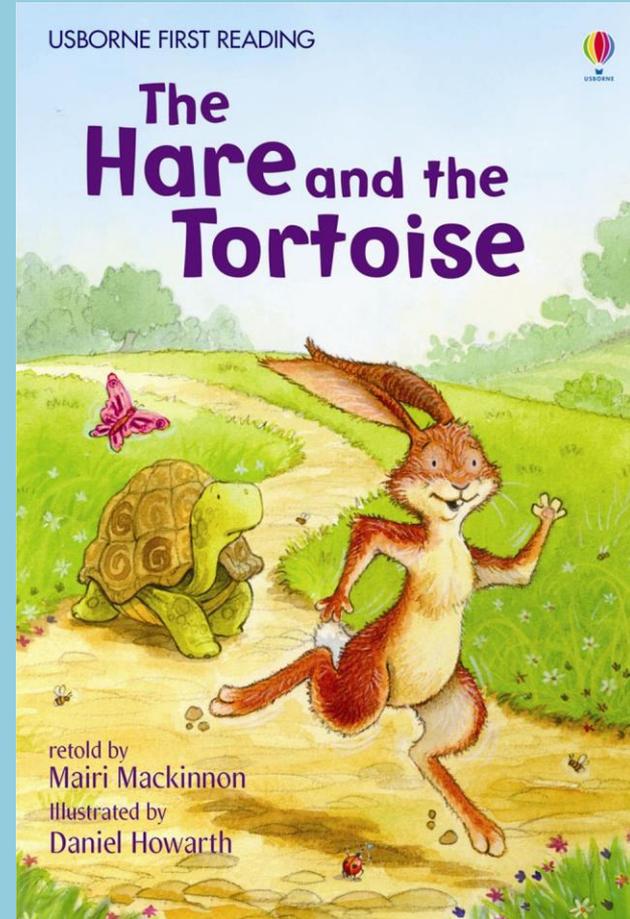
Askaraptor



Solveosaurus
Rex

Building learning power!

- Resilience
- Creativity
- Link making
- Independence
- Co-operation
- Curiosity
- Adaptability



By the end of Reception...

EYFS Early Learning Goals

Numbers

ELG11

I can say which number is one more or one less than the number given to me (to 20).

I can solve problems, including doubling, halving and sharing.

Using objects to help, I can add 2 single-digit numbers and count on to find the answer.

I can count reliably with numbers from 1-20.

I can place the numbers 1-20 in the correct order.

Using objects to help, I can subtract 2 single-digit numbers and count back to find the answer.

I notice and describe every day shapes and objects using mathematical words.

I can use everyday words such as '10p', to talk about money.

I can recognise, create and describe patterns.

I can use everyday words to talk about capacity.

Shape, Space and Measure

ELG12

I can use everyday words such as 'tall' or 'heavy', to talk about size and weight.

I can use everyday words such as 'under' and 'over', to talk about position.

I can use everyday words to talk about time and distance.

I can compare objects and quantities and use them to solve problems.

Mathematics

Specific Area of Learning

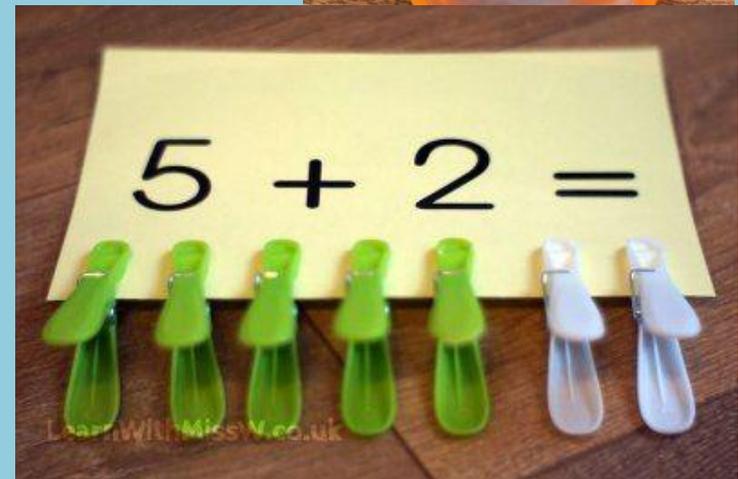


Developing number sense

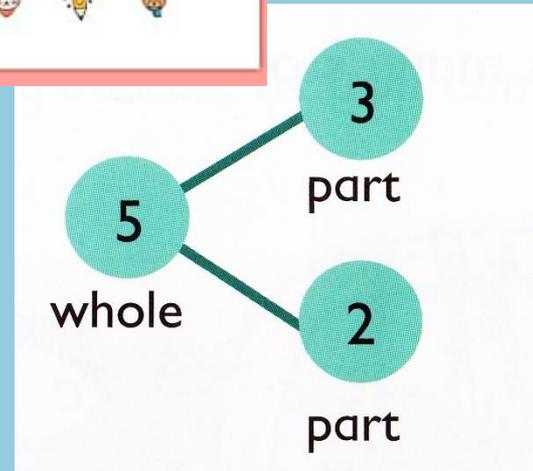
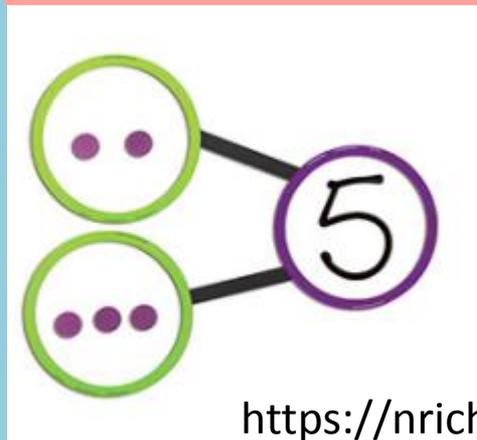
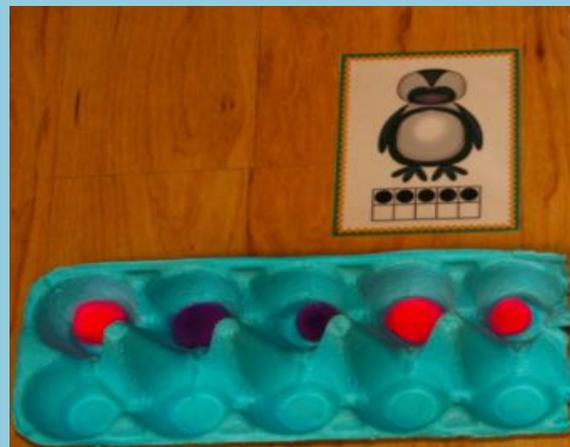
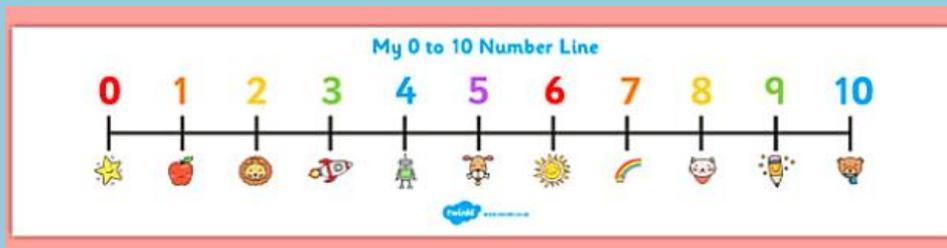
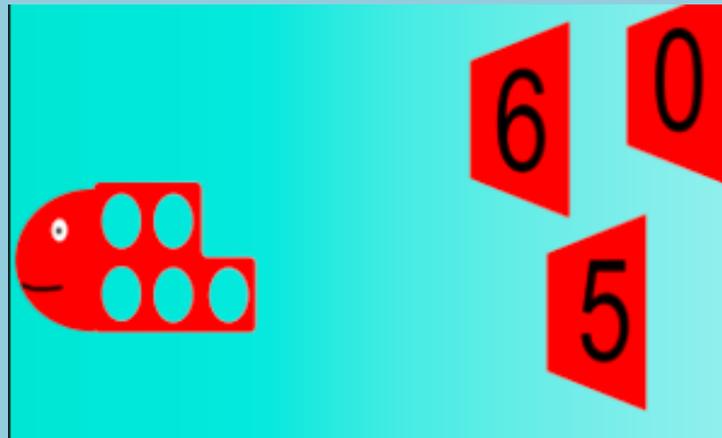
- **Counting skills**
- **Cardinality** - what the number means, e.g. 5 is 5 things
- **Comparisons**
- **Composition of number using objects, e.g. 5 add 1 is 6**



- Future learning is built on solid foundations
- The use of objects and pictures before symbols
- Problem solving in everyday fun ways is central
- Language and Communication lead to understanding



The number 5



How to help

We can help children to explore their ideas and increase their language by talking with them:

- Commenting on what they are doing
- Responding to what they say
- Giving them the vocabulary they need to talk about what they know
- Asking questions that point them in the right direction in their thinking

Comments and Questions

Avoid closed questions

Try to use more open questions, e.g.

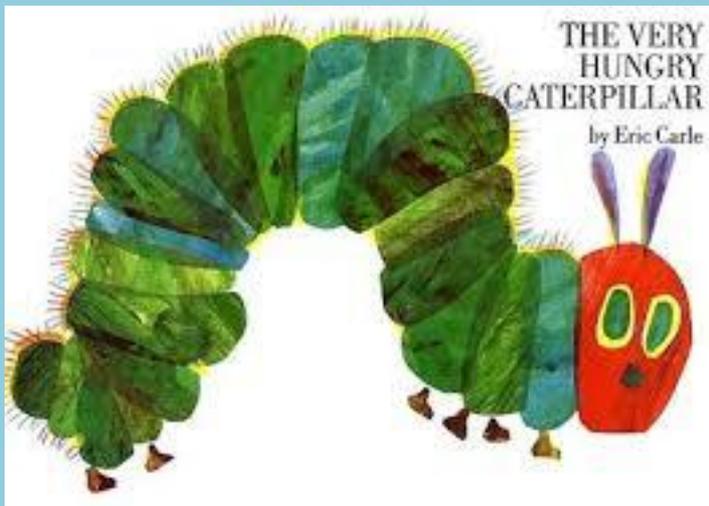
"Wow, you've got a lot of pine cones in your bucket.. I wonder how many there are?"

Everyday maths

- Counting up and down the stairs,
- Setting the table - cutlery, plates etc.,
- Pair socks when getting in washing,
- Counting cars on the way to school,
- Spotting different numbers in the environment - door numbers, car number plates, speed limits
- Out shopping - making totals, counting, more or less
- Time - plan days out, what time to leave, how much money to take.
- Cooking - weighing ingredients, reading scales.

More ideas

- **Reading books** – many have maths, e.g. The Very Hungry Caterpillar, Peace at Last
- **Singing songs**



Maths is everywhere - what opportunities can you see here?





Key messages...

- Make maths fun
- Praise how your child learnt
- **Bring maths into your every day** rather than isolated '5 minutes at the kitchen table' or ipad activity
- Talk lots!

Last but not least!

Please remember to take:

- A leaflet explaining how you can help at home including key words we use
- Check out:
<https://www.foundationyears.org.uk>

**Thank you so much for
attending.**