


Maths with Miss Field

How to support your child at home



Jan 17-09:11


What Maths have you already done today?





Maths is in everything that we do!


Jan 17-09:19


To be successful mathematical adults we require an agility with:

Time



Risk


Problem Solving


Money


Logic


Calculation
 $+$ $-$
 \div \times

Estimation and Approximation


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Children's aspirations

What does your child want to be when they grow up?
What Maths skills will they need for this occupation?

Ollie - Deep sea diver

Noah - Pilot

Ethan - policeman

Alice - Artist


Nathan - builder

Harriet - Teacher

Bow - Make up artist

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What Maths skills do footballers need?



angles

distance

prediction

wages

speed

time

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Negative Maths comments


Throw away comments are damaging for children and their opinion of Maths. Undoing this is tricky for teachers!

"I hated Maths at school."

"I was never any good at Maths but it doesn't matter."

"You won't use Maths when you're older."

Jan 17-10:03



National Numeracy chief executive Mike Ellcock said: "Throwaway remarks about being 'no good at maths' are so easy to make and so damaging in the way they normalise negative attitudes.

"It's unusual for a company to recognise and remedy their error in the way that L'Oreal have, so we really appreciate their response."


"We know that women and girls often have particularly low levels of confidence - and particularly high levels of anxiety - about maths. So it's especially important that advertising directed at them doesn't perpetuate the myth that women can't do maths."

L'Oreal Paris replied to National Numeracy by Twitter saying: "Thanks for raising this, we hadn't meant it to be interpreted this way. We're changing it right away and you'll see new ads soon."

Jan 17-10:10

Number Sense!

Children need to understand our number system, starting with **counting numbers** (including counting objects correctly), building an understanding of how our **numbers work** and **fit together**. This includes exploring **place value (year 1)** and **comparing and ordering numbers** then applying this understanding in **different contexts**.




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Perceptual Variation

Pupils learn the same concepts but they are presented with different ways to perceive them.

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five

1 2 3 4 5 6 7 8 9
10

5

6 take away 1

Five little ducks went swimming one day
Over the hills and far away

3 + 2

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Number Facts

Children knowing number facts will help them use bigger numbers.

$2 + 3 = 5$

$12 + 3 = 15$

$22 + 3 = 25$


$25 - 3 = ?$

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Linking number facts with real life

If $5 + 5 = 10$

How much money do I have?



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Number facts at home

Doubles

Halves

Number bonds to 5 ($4 + 1$ etc)

Number bonds to 10 ($8 + 2$ etc)

Number bonds to 20 ($16 + 4$ etc)

Number bonds to 100 in tens ($70 + 30$) **year 2**

Move onto subtraction when children are successful



Read the number when I roll the dice.



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Subitizing

https://www.youtube.com/watch?v=RHm_7YdGt80

Subitizing

Subitizing is the ability to 'see' a small amount of objects and know how many there are without counting.



Studies show that if children cannot subitize 7 objects by the time they are 7 years old they will struggle with calculations. Playing board games will help with this.

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Common issues with teen numbers

10, 11, 12 (doesn't follow the same wording that children would expect)

14 **fourteen**
24 **twentyfour**

Supporting your child at home

This is not about sitting your child down to do a Maths sheet!

Use the help guide handed out at parents evening. These are tailored to each year group.



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A great place to start!

Number songs and Rhymes are a great way of learning and using numbers.

Some of my favourites are:

- 5 Current Buns
- 5 Little Ducks
- 5 Little Monkeys Jumping On The Bed
- 5 Little Space Men
- 5 Little Speckled Frogs
- 1 Man and his Dog
- 10 Green Bottles



Amazon £12.99

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Puzzles

Puzzles help children to problem solve. They also have to predict which pieces will fit.

Children are dealing with irregular shapes.

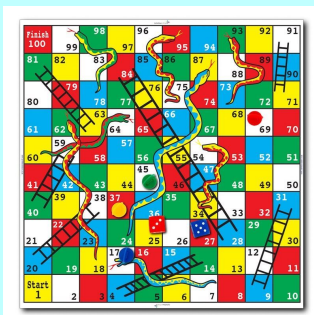
Pick puzzles which suit **your** child

And... they help with fine motor skills!



Jan 17-12:02

Playing board games



- Reading numbers
- Subitizing the dice
- Counting accurately.
- Predicting.
- Strategy/planning

Challenge
Double the dice

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Maths Vocabulary

The language involved with Maths children often find tricky because of how much there is!

Some words children hear outside of Maths and this can also confuse them.
(Time - clock hands)

In school we see the struggles children have with Maths because of the language involved.

Some key Maths vocab is on the parent help sheet, this indicated in **red**.

Practical activities at home are great because you can use Maths vocabulary so that children get used to hearing it. Some words you use everyday without realising it!

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Areas of Maths at home - Foundation stage

Number Find and read numbers around us.

Shape Potato printing

Measure (length, weight, capacity) Order the size of teddy bears

Time Special mission, telling everyone at home a time in the day (dinner time)

Money Role play

Position Hide the teddy. Where is it?



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Areas of Maths at home - Year 1

Number Counting in 2s by pairing socks.



Number facts Use lego bricks to put together ones which make 10.

Measure (length, weight, capacity) Washing up - look at the different containers and what they can hold.

Time Mark off special occasions on a calendar.

Money Spend pocket money in the shop.

Shape Use play dough to make shapes.

Games Hopscotch
(use numbers your child needs to work on)



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Areas of Maths at home - Year 2

Number

Quick fire ten more/less

Multiplication

Putting toys away, 5 at a time. How many did you put away?

Measure (length, weight, capacity)

Cooking, read measurements and scales.

Time

Work out what time activities will finish if they are an hour or half an hour long.

Money



Spend pocket money and work out the change.

Shape

Walk around a big city and spot the shapes.

Everyday problems


How many socks do I need if I wear 3 pairs over 2 days?



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Thank you for coming.

Do you have any questions?



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