



Olive School

# Parent Workshop on Mental Maths



# Mental Maths

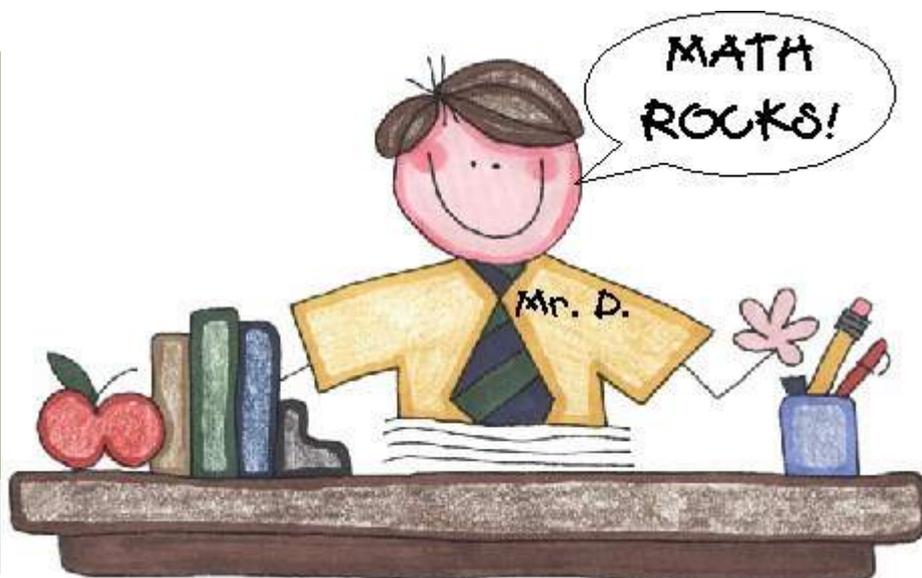
How did YOU describe Maths when you were at school?

- Exciting?
- Fun?
- Boring?
- Hard?

The teaching and learning of Maths has changed!

- More collaborative learning
- More practical opportunities
- 'Having a go' and talking through is encouraged

MENTAL MATHS IS VERY IMPORTANT IN ALL OF THIS!



## What Mental Maths have YOU done to-day?

- Have I got time to do the washing before I go out?
  - Do I have enough petrol to last the journey?
  - Do I need a trolley for my shopping or will a basket be okay?
- NONE OF THIS IS WRITTEN DOWN - IT'S MENTAL MATHS!

## Why do children need to be secure with Mental Maths?

- It builds up their confidence and helps towards written Maths
- They need to build up skills slowly so that they retain them
- They need basic facts at their fingertips
- They need to learn some facts by rote (by heart)

## How is Mental Maths taught at the Olive School?

- A 10 minute differentiated activity every morning when children arrive in school.
- A 10-15 minute starter for every Maths lesson, 5 times each week.
- Children are encouraged to use their Mental Maths skills during activities in each Maths lesson.



# What can I do to help?

I can say one more / one less than a number to 50.

- Get a hundred square. Make the grid on this slide with a gap in the middle. Turn it into a game.
- Turn a 'Guess Who' game into a maths game. 'I've got a number that is one less than 30. If you can guess what it is, I have to put it down.'



## I can recall addition and subtraction facts to 10.

- Sing the number bond song with your child.
- Roll a die - what do I need to add to this number to get to 10?
- Play Zing Zong Bong - tap your knees twice as you say zing and zong. On bong, show a number below 10 on your fingers. Your child has to say the number you need to add to that to get to 10. Take turns.

## I can partition two digit numbers into tens and units.

- Try to get your child to do it orally - how many tens in 23? How many units?
- Emphasise that there are two lots of ten and three units, so the number partitions into 20 and 3.
- Lots of online games, such as <http://www.ictgames.com/dinoplacevalue.html> <http://www.ictgames.com/sharknumbers.html>



## I can identify odd and even numbers.

- Give your child a pile of socks. Have we got an odd or even number? Well, to find out, can we pair them all up? If there's one left on its own, it's odd.
- 0,2,4,6, 8, even numbers are just great. 1,3,5,7,9 I love odd numbers all of the time.
- Play an odd and even race.

## Counting on in tens from 0 to 100.

- Use a hundred square, encouraging them to go down the hundred square to add on ten.
- Online, play online splat.
- Use a dice, roll a number ask them to write the number and add on ten.
- Splat a number and ask your child to find 10 more by moving down on the hundred square.

## Counting back in tens to 0.

- Choose a number up to 100, write the number and show them how the units stay the same.
- Ten less than 24 = 14.
- When going down the stairs count back in tens.



## Counting on in 2's from 0.

- Play online games: <http://www.bbc.co.uk/bitesize/ks1/maths/multiplication/play/>
- Count in twos whilst going up the stairs.
- Count pairs of shoes, or pairs of socks.

## Counting back in twos to 0.

- Chant in 2's backwards.
- Consolidate 2 less than, by going back two steps.
- Recall doubles to double ten.
- Recall halves to ten.

### Number Games :-

- Board Games
- Snakes and Ladders
- Dominoes
- Playing card games eg snap doubles
- Dice Games
- Sharing sweets, objects etc

