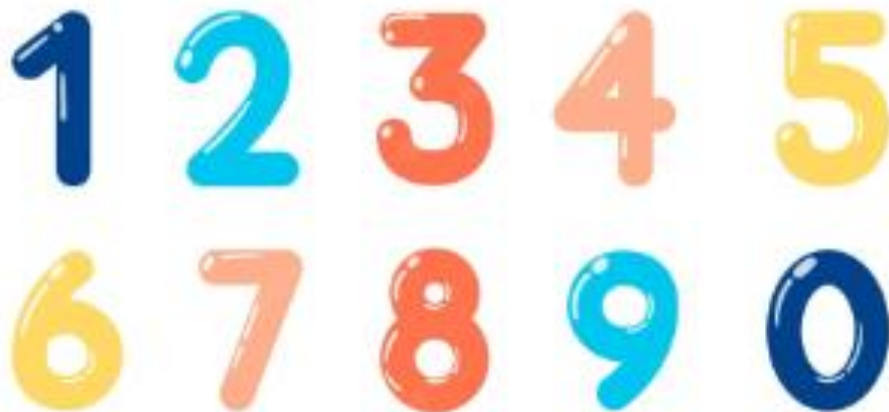


Number Facts Workshop for Parents in Year 1

Thursday 29th February

9.00 am



Why have we invited you to this workshop?

- ▶ For you to find out about the number facts that your child is taught in Year 1 and Year 2.
- ▶ Why they are crucial to your child's maths learning.
- ▶ How they are taught at school.
- ▶ How you can help at home.

What do we mean by Number facts?

- ▶ Number facts are **basic addition, subtraction, multiplication and division calculations that children should learn to recall instantly** with no working out (in other words, they need to learn them off by heart).
- ▶ Number facts are sometimes referred to as **number bonds** (addition and subtraction) and **times tables with related division facts** (multiplication and division).

The Maths Curriculum KS1

Year 1

- ▶ represent and use number bonds and related subtraction facts within 20
($5 + 4 = 9$, $9 - 5 = 4$)
- ▶ given a number, identify one more and one less
- ▶ Double and halve numbers within 20.

The Maths Curriculum KS1

Year 2

- ▶ recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

$$(3 + 7 = 10 \quad \text{so } 30 + 70 = 100)$$

- ▶ add and subtract numbers mentally

$$(15 + 2 = \quad 22 + 30 \quad 16 + 14 = \quad 9 + 8 + 2 =)$$

- ▶ recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.

Why are they so important?

- ▶ Ultimately, they make all other areas of maths easier!
- ▶ Speed of maths.
- ▶ Requires less thinking in other areas of maths.
- ▶ We use them in real life!

How are they used in maths further up the school?

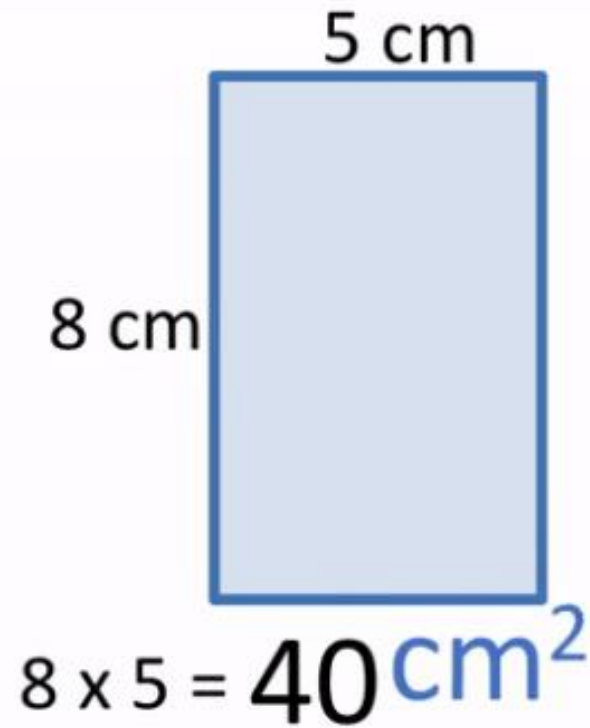
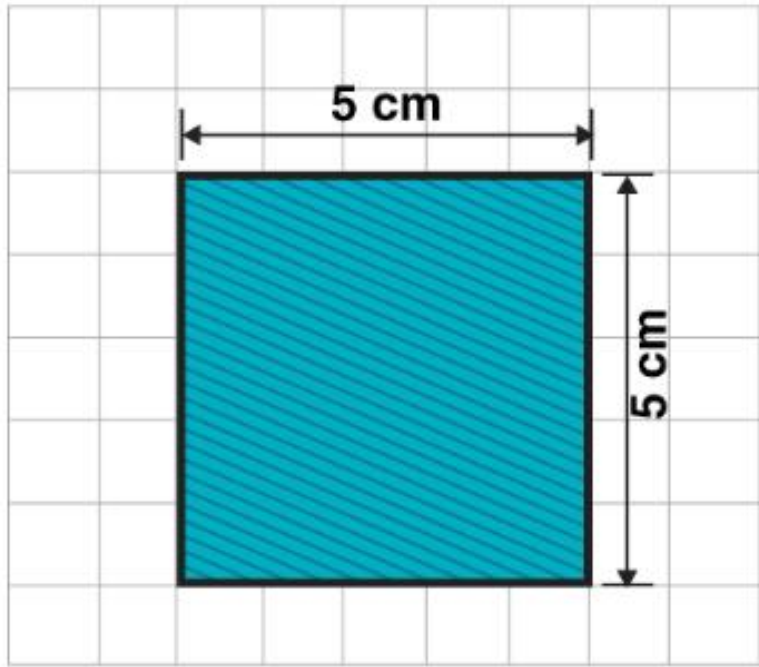
Formal Written Methods

$$\begin{array}{r} 23 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 53 \\ \hline \end{array}$$

How are they used in maths further up the school?

Area



How are they used in maths further up the school?

Problem Solving

Miss Gibson has 2 bags and each bag contains 5 apples.

Mr Conroy has 3 bags and each bag contains 10 apples

ins 10



Who has the most apples?

How do we teach them at school?

Recalling
facts off
by heart.

Understanding
what the
maths means.



Supporting Understanding/Meaning

- Using a Variety of Language
- Look at the links between addition/subtraction and multiplication/division.
- Use of resources/materials.
- Look for patterns
- What do I know to help me work out something I don't know?
- Knowing that $2 + 8$ is the same as $8 + 2$

Number Bonds

▶ $10 + 0 =$

▶ $9 + 1 =$

▶ $8 + 2 =$

▶ $7 + 3 =$

▶ $6 + 4 =$

▶ $5 + 5 =$

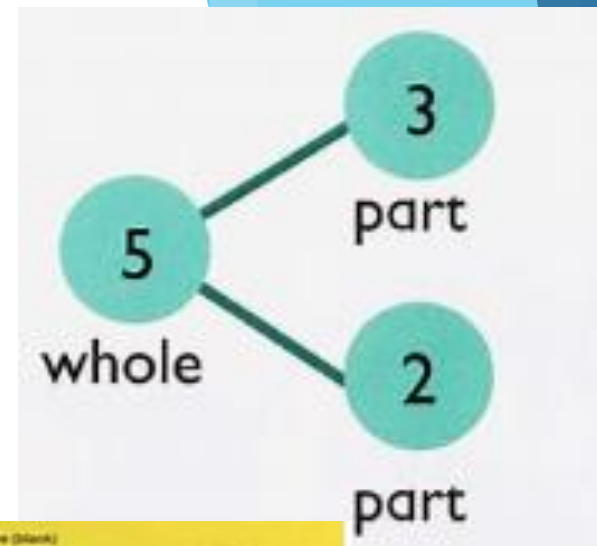
▶ $4 + 6 =$

▶ $3 + 7 =$

▶ $2 + 8 =$

▶ $1 + 9 =$

▶ $10 + 0 =$



5 plus 5 equals 10

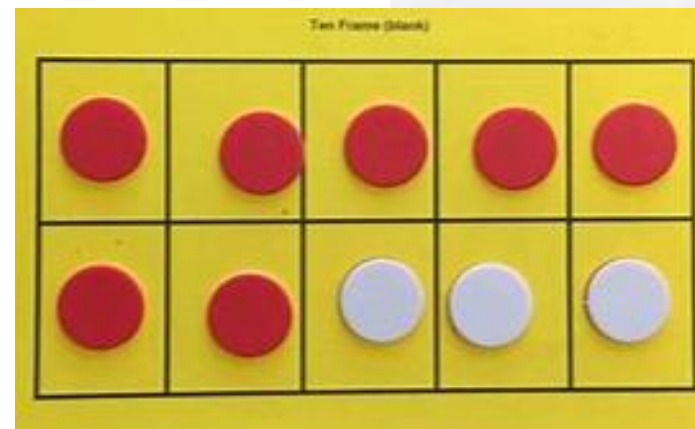
3 and 7 is 10

3 add 4 is 7

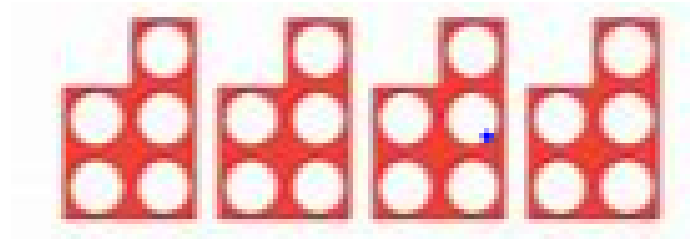
6 is made up of 4 and 2

6 is made up of 6 and 0

6 is made up of 5 and 1



Times Tables

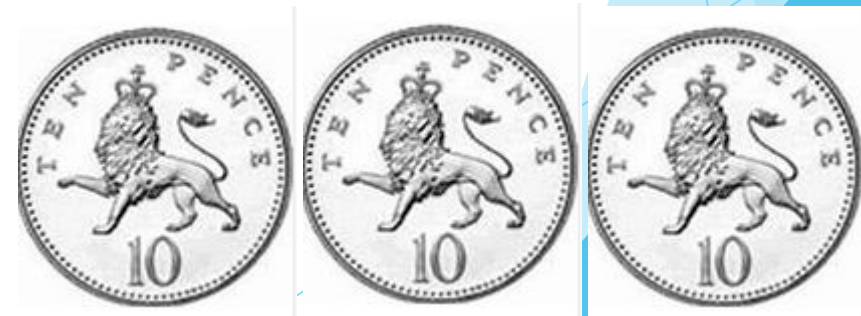
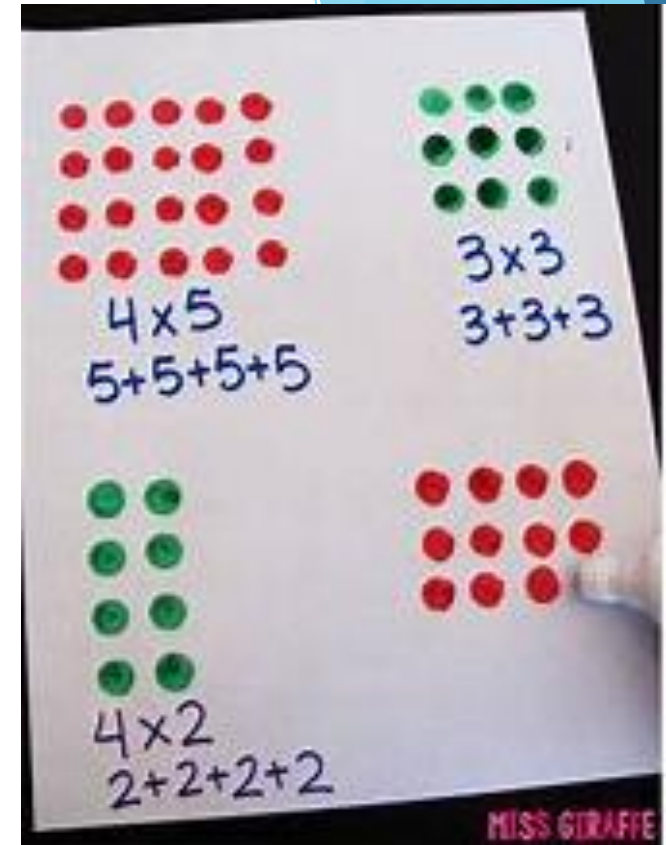


Multiplication

Times
Multiply
Multiplied
Groups of
Lots of
Sets of
Product of....
Squared

Division

Divide
Divided
Shared
Split into equal groups
How many 2's in 12?
How many in each group?
 $\frac{1}{2}$ of
 $\frac{1}{4}$ of



Magical Maths in Year 2



Magical Maths is a Malmesbury reward system that encourages children to learn number facts

There are 4 levels: Green, Yellow, Red and Blue

Practice questions can be found in the home-school diary.

Magical Maths in Year 2



Each quiz consists of 10 questions that the children have to get correct.

For every quiz they pass they get a sticker of that colour level. When they have completed all 4 they get their certificate and a pack of cards.

Magical Maths in Year 2

As well as learning their number facts,
children are challenged by :

Mathematical vocabulary

Missing number questions

Word problems

Magical Maths in Year 2



Green - 1 more, 1 less

$$8 - 1 =$$

What number is before 6?

1 less than 7 is _____

9 is 1 more than _____

Magical Maths in Year 2



Yellow- Number bonds up to 10

$$7 + \square = 10$$

$$10 - \square = 5$$

$$\square + 8 = 10$$

$$9 \text{ minus } 4 =$$

There were 6 rabbits in a hat, 4 jumped out.
How many rabbits were left?

Magical Maths in Year 2



Red - Number Bonds to 20

$$17 + \square = 20$$

$$7 \text{ add } 7 =$$

$$\square + 8 = 15$$

What is 7 more than 11?

Magical Maths in Year 2



Blue - 2, 5 and 10 times table

3 multiplied by 5=

$6 \times 10 =$

4 groups of 2=

$\times 5 = 35$

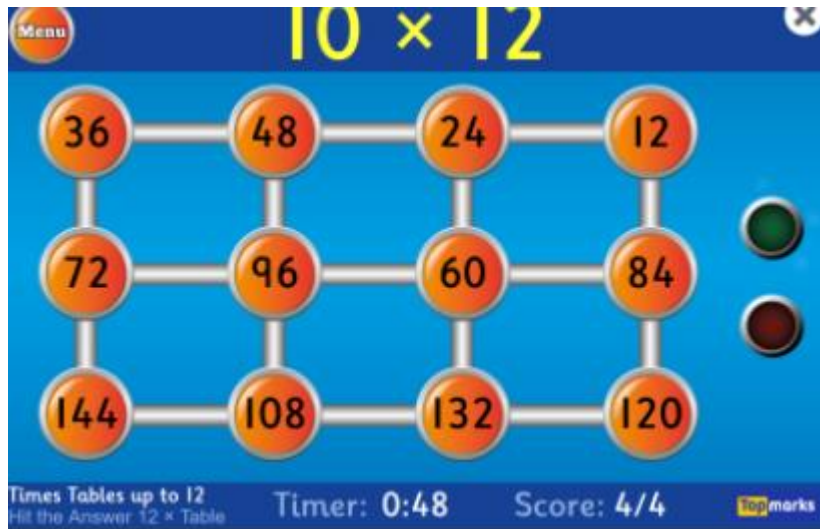


There 6 wizards, each has 2 wands. How many wands do they have altogether?

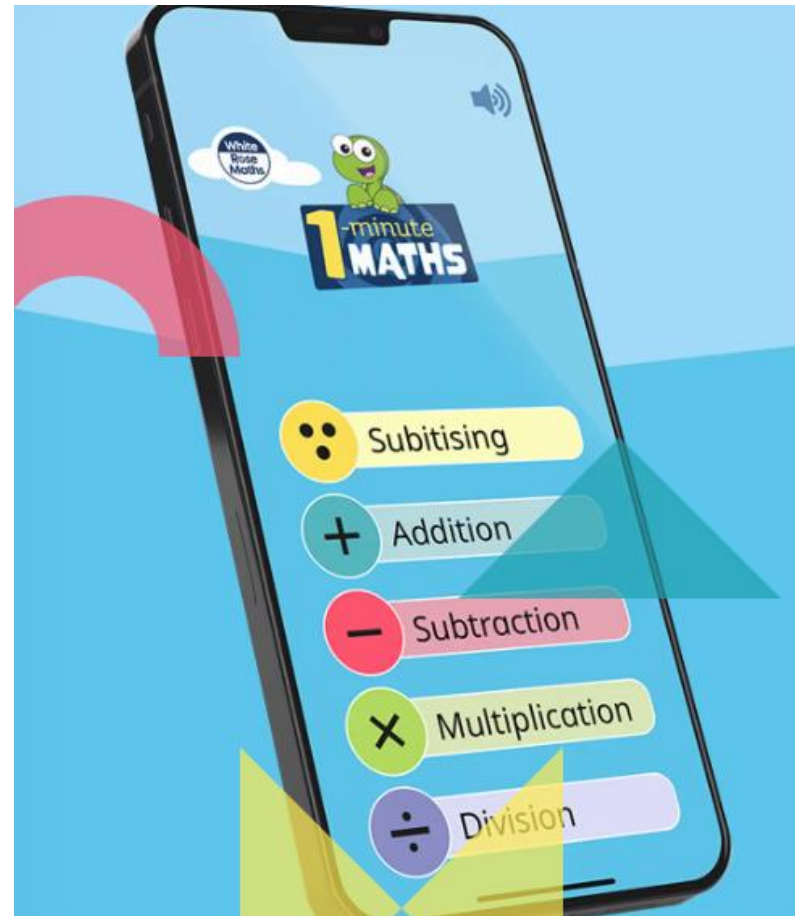
What can I do at home?

- Flash Cards
- Choose 2 cards and add them.
- Matching Pairs
- Poppers
- Dice games
- Questions up the stairs
- Talk and ask questions in different contexts.

Online Practice



Hit the Button



White Rose
One Minute Maths

Thank you so much for coming.

Any questions?