



#### Tonwell St Mary's CE Primary School

Maths Fluency
Information Session for Parents



#### What is maths fluency?



Mental maths skills
Number sense/making links
Spotting patterns
Using what you know





By the end of EYFS:

Add and subtract two 1 digit numbers

Count on and back in steps of 1

Double, halve and share objects/numbers





By the end of Y2:

Pairs to 20
Count in steps of 2, 3, 5, 10
Time table facts for 2, 5, 10
Place value to 100





#### By the end of Y4:

All times table and related division facts to 12 x 12
Add and subtract two 4 digit numbers
Multiply 3 digit by 1 digit number
Place value to 1000





By the end of Y6:

Multiply and divide a 4 digit by 2 digit number Place value to 10,000,000



## **Key Skill: Subitizing**

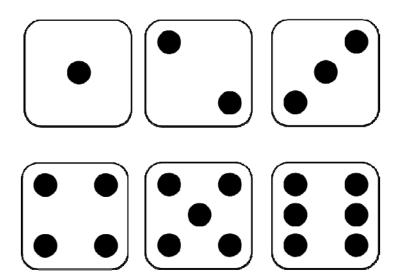


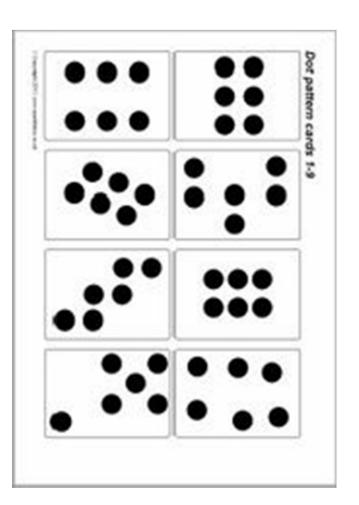
The skill of being about to 'see' a small number of dots or objects and know how many there are without counting.

Helps with spotting patterns and number pairs/bonds

E.g. patterns on dice and playing cards











## Key Skill: Partitioning



The skill of splitting larger numbers into smaller units to make them easier to work with.

Helps with mental calculations

$$20 + 4$$

$$30 + 1$$





$$34 - 7 =$$
 $7 = 4 + 3$ 

$$34 - 4 - 3 =$$

$$87.3 - 0.5 =$$

$$0.5 = 0.2 + 0.3$$

$$87.3 - 0.3 - 0.2 =$$



## Key Skill: Rebalancing

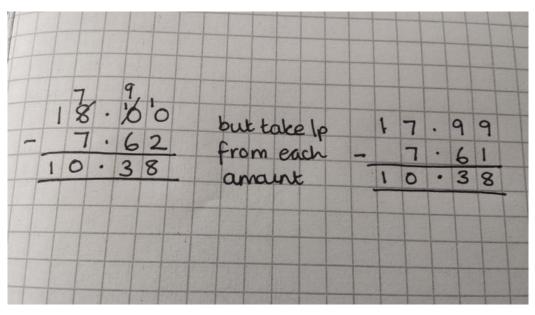


The skill of rebalancing to make the numbers more 'friendly'





2743 - 999 999 = 1000 - 1 2743 + 1000 - 1 =





## **End of Key Stage Tests (SATs)**



#### Year 2

Paper 1 Arithmetic (no time limit)

Paper 2 Reasoning (no time limit)

#### Year 6

Paper 1 Arithmetic (30 mins)

Paper 2 Reasoning (40 mins)

Paper 3 Reasoning (40 mins)



### Helping your child at home



Mathletics All children from Y1-Y6 have a log in paid for by school.

www.mathletics.co.uk



### Helping your child at home



Board games that use dice and counting (Snakes and Ladders/Frustration)

Dice games (roll two dice and add/subtract/multiply numbers, target number)

**Dominoes** 

Card games (Make 21, Countdown, Times Table Showdown, What do you add to make...?)





#### Please take time to look at resources

Thank you for coming!