

# PARENT'S MATHS EVENT

9.2.21



# THE TECHNICAL STUFF



- IN THE EARLY YEARS CHILDREN ARE GIVEN RICH OPPORTUNITIES TO PRACTICE, APPLY AND CONSOLIDATE THEIR MATHEMATICAL THINKING THROUGH A WIDE RANGE OF PRACTICAL AND PURPOSEFUL ACTIVITIES IN A STIMULATING LEARNING ENVIRONMENT.
- WE ALSO PRIORITIES CHILDREN DEVELOPING POSITIVE ATTITUDES AND INTERESTS IN MATHEMATICS: LOOKING FOR PATTERNS AND RELATIONSHIPS, SPOTTING CONNECTIONS, 'HAVING A GO', TALKING TO ADULTS AND NOT BEING AFRAID TO MAKE MISTAKES.

# IN KS1 AND KS2

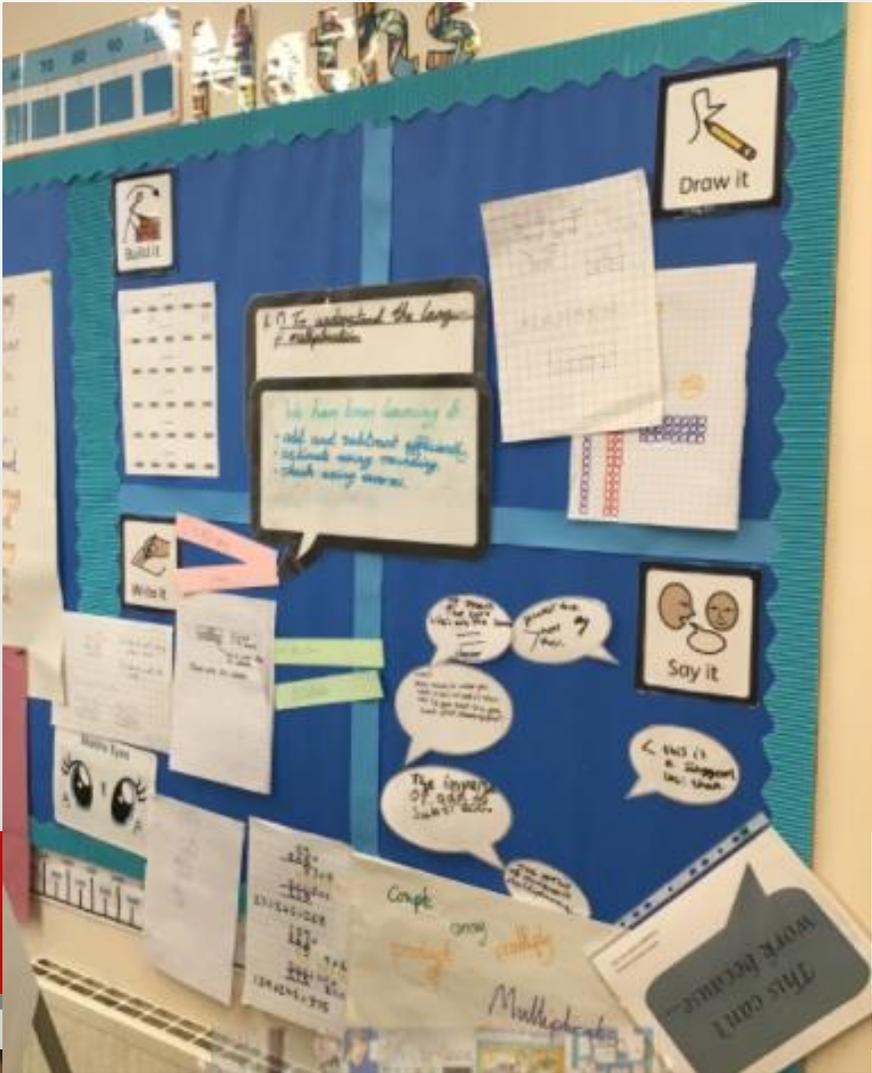
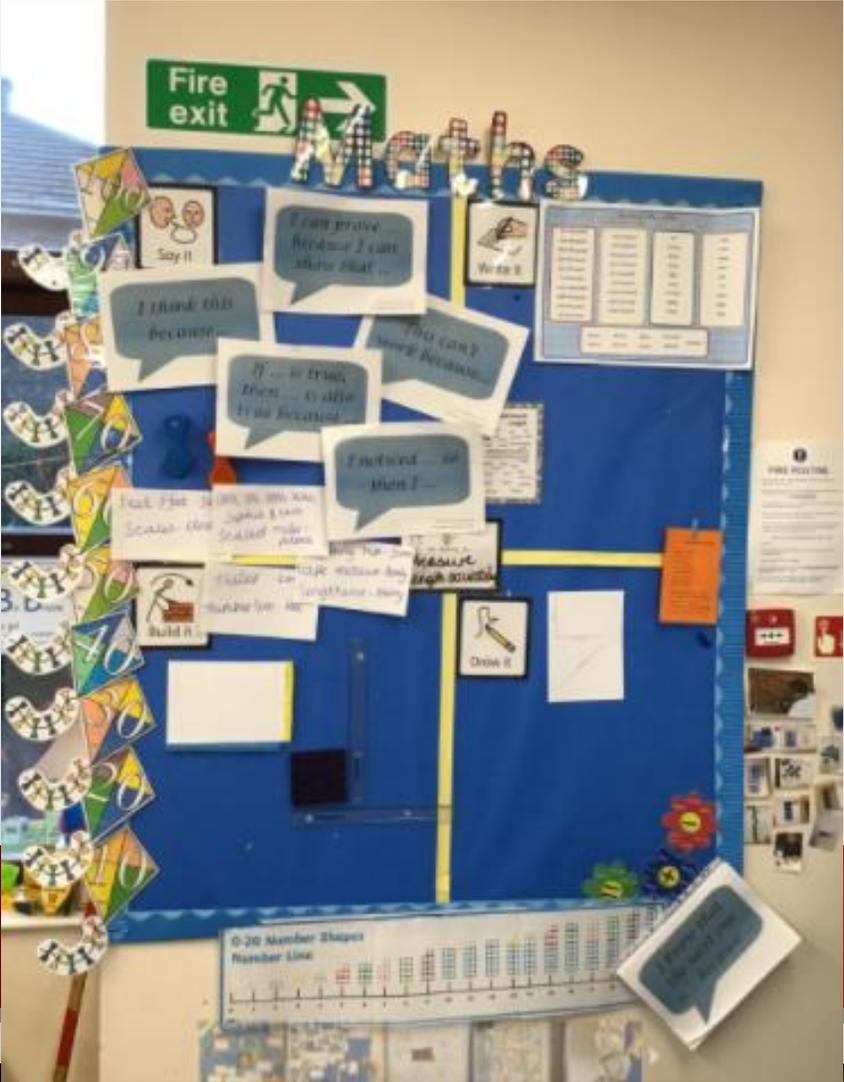


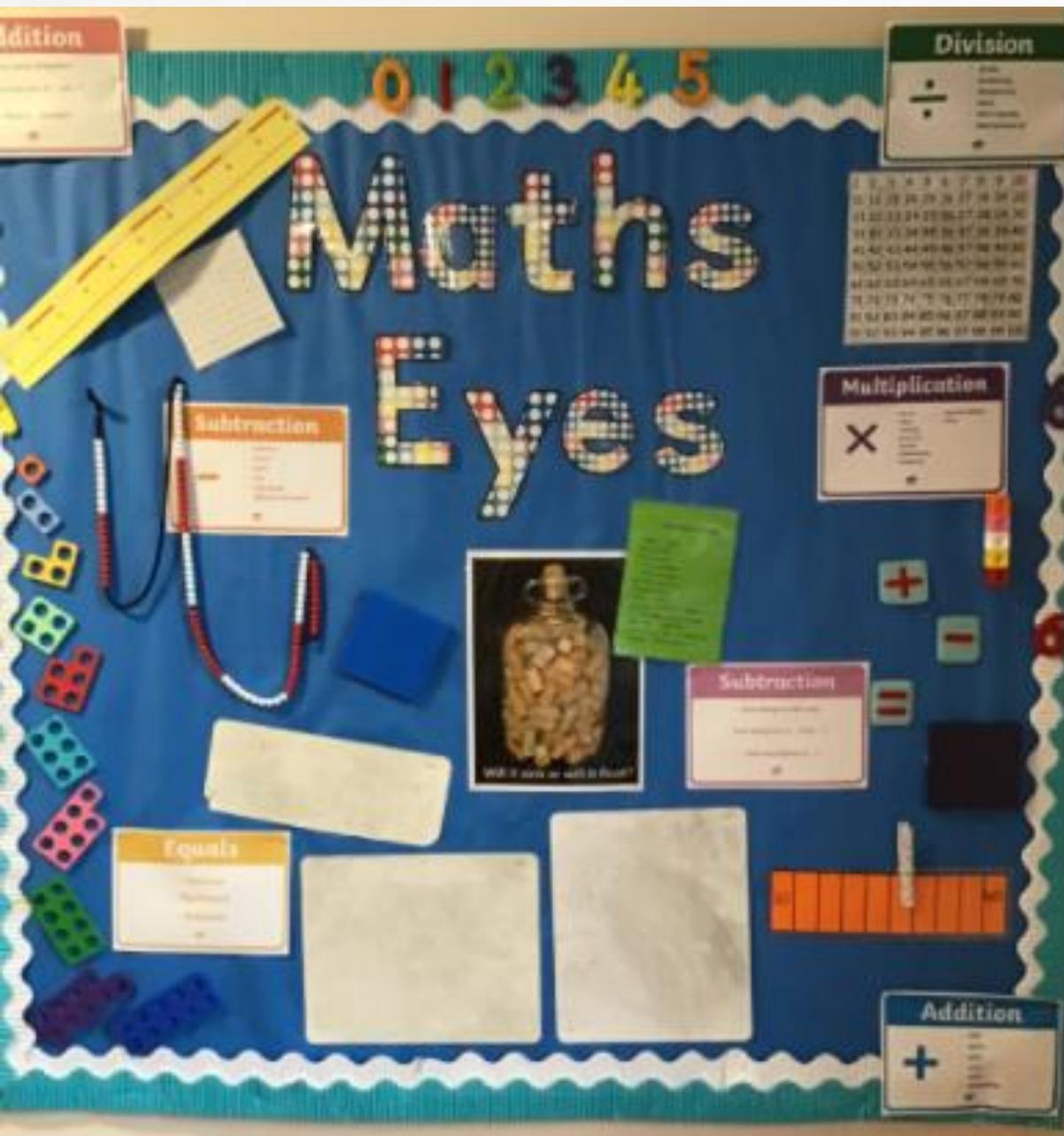
- EACH CLASS HAS A DAILY MATHS LESSON.
- TEACHERS DELIVER ONE CURRICULUM FOR ALL, PROVIDING OPPORTUNITIES TO STAY TOGETHER AND TO WORK THROUGH NEW CONTENT AS A WHOLE GROUP. TEACHERS TEACH THE WHOLE CLASS, ALLOW PUPILS TIME TO PRACTISE AND BRING THE CLASS BACK TOGETHER TO MOVE ON.
- THE INDEPENDENT TASKS ARE SPLIT INTO 3 SEPARATE GROUPS – PADDLING, SNORKELLING AND DIVING.

# **PROMOTION OF A LOVE OF MATHS**



# DISPLAYS AND LEARNING ENVIRONMENT







# MATHS EYES

- A GREAT WAY OF INCLUDING AND LOOKING FOR MATHS IN EVERYDAY LIFE.
- HELPS APPLICATION OF THEIR LEARNING.
- CHILDREN LOOK AT AN IMAGE TAKEN FROM SOMEWHERE AND THEN ASK MATHS BASED QUESTIONS ON WHAT THEY CAN SEE.



# ESTIMATION STATIONS

- **SIMILAR TO MATHS EYES BUT LESS OF AN EMPHASIS ON QUESTIONS AND MORE ESTIMATION.**
- **CHILDREN MAKE CONJECTURES AND PREDICTIONS TO EITHER TRY AND PROVE OF DISPROVE.**



# NUMBER TALKS

- LINKED TO THE VIDEOS POSTED ON THE WEBSITE, WE USE NUMBER TALKS TO GAIN A GREATER UNDERSTANDING OF THE METHODS WE KNOW ABOUT.
- START WITH A CALCULATION AND ASK FOR CHILDREN TO WORK THE ANSWER OUT IN THEIR HEADS.
- THEN PUT THEIR THUMBS UP TO SHOW THEY HAVE AN ANSWER.
- GATHER ANSWERS.
- THEN WE TAKE ALL OF THE METHODS THAT THE CHILDREN KNOW OF OR DID TO WORK IT OUT.

Answers  
577

Saskia  
$$\begin{array}{r} 182 \\ + 395 \\ \hline 577 \\ \hline \end{array}$$

George

Number Talk  
 $182 + 395$

Joshua  
 $100 + 300 = 400$   
 $80 + 90 = 170$   
 $5 + 2 = 7$   
$$\begin{array}{r} 400 \\ 170 \\ + 7 \\ \hline 577 \\ \hline \end{array}$$

Dan

$$\begin{array}{r} 395 \\ + 182 \\ \hline 577 \\ \hline \end{array}$$

182      395

395      495      565      577

# REASONING AND PROBLEM SOLVING



- WE HAVE HAD A BIG PUSH ON REASONING AND PROBLEM SOLVING IN SCHOOL THIS YEAR.
- NOT JUST THE FLUENCY AND CALCULATION SIDE OF MATHS BUT APPLYING THEIR KNOWLEDGE TO DIFFERENT SCENARIOS AND PROBLEMS.

# YEAR 2

Mo says,



I know that 10 more than 72 is 82 because I only have to look at the tens digit.

Is he correct?  
Explain your reasoning.

# YEAR 6

576 children and 32 adults need transport for a school trip. A coach holds 55 people.



Dora

We need 10 coaches.



Eva

We need 11 coaches.



Alex

We need 12 coaches.

Who is correct? Explain how you know.

How many spare seats will there be?

# USEFUL WEBSITES

- **MATHS BOT - [HTTPS://MATHSBOT.COM/MANIPULATIVEMENU](https://mathsbot.com/manipulativemenu)**
- **MATHEMATICS SHED - [HTTP://WWW.MATHEMATICSHED.COM/](http://www.mathematicshed.com/)**

# COMPETITION



- FOR OUR COMPETITION/BIT OF HOMEWORK, IN ORDER TO ENTER YOU WILL NEED YOUR PHOTOGRAPHY AND MATHS SKILLS.
- I WOULD LIKE YOU TO CREATE YOUR OWN MATHS EYES IMAGE AND ASK SOME MATHS QUESTIONS ABOUT IT.
- IT CAN BE OF ANYTHING AND ANYWHERE BUT THE MAIN PURPOSE IS THE MATHS- WHAT QUESTIONS OR ANSWERS CAN YOU THINK OF?
- ALL THE ENTRIES CAN BE SENT TO ME OR THE OFFICE AND THEY WILL THEN BE CHOSEN AT RANDOM TO WIN THE GIFT VOUCHER.

# Q AND A

- WE NOW HAVE TIME FOR ANY QUESTIONS THAT YOU HAVE ABOUT WHAT I HAVE SPOKEN ABOUT OR THE VIDEOS THAT WERE POSTED ON THE WEBSITE LAST WEEK.
- THANK YOU VERY MUCH FOR YOUR TIME.