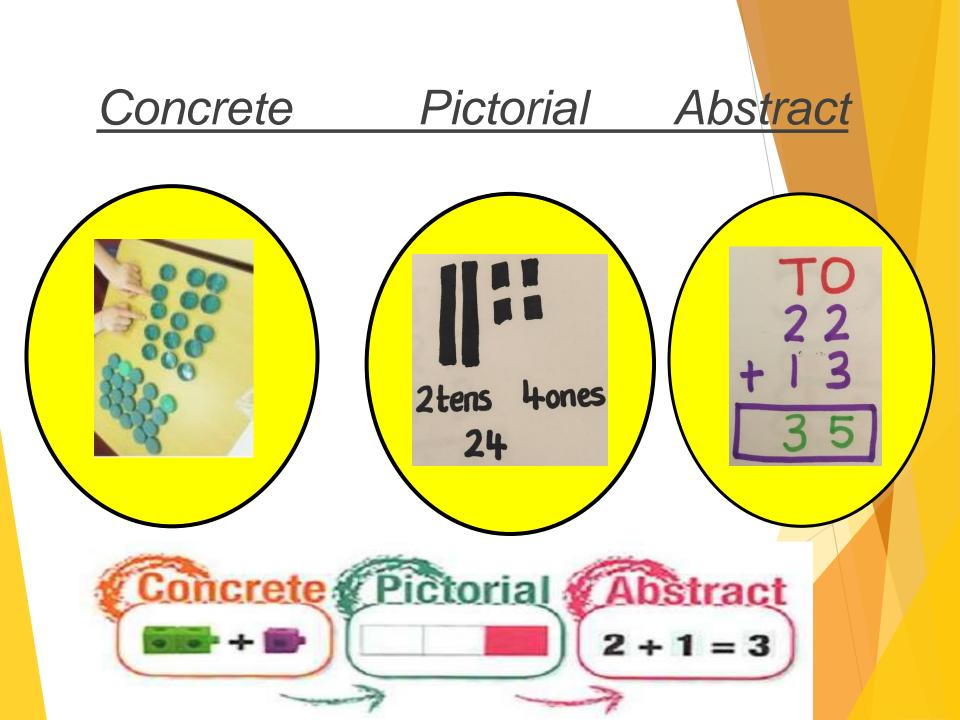
# Year Two How to Help with: *Maths*

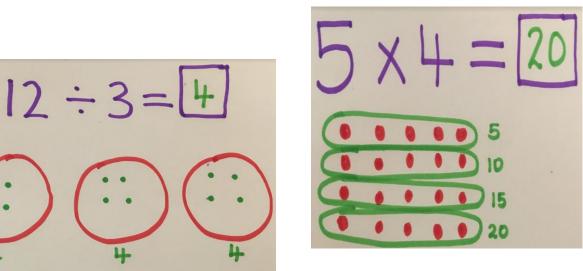
Friday 18<sup>th</sup> February



# **Concrete Manipulatives**



# **Pictorial**



# + || = 5tens 6 ones 56

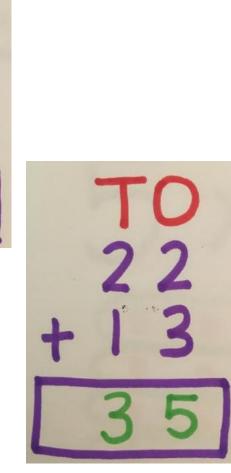
# **Abstract**

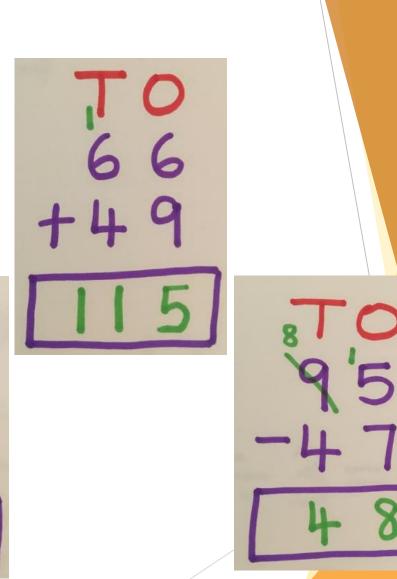
TO

46

4

-3





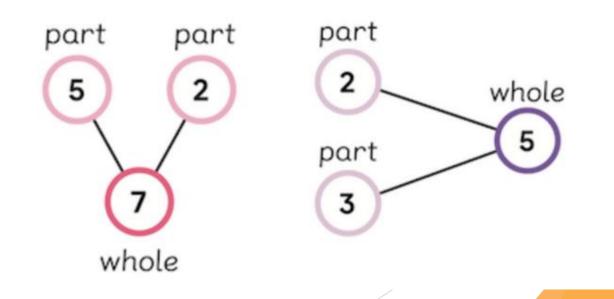
### NUMBER BONDS

#### WHAT IS A NUMBER BOND?

Number bonds let students split numbers in useful ways. They show how numbers join together, and how they break down into component parts. When used in year 1, number bonds forge the number sense needed for early primary students to move to addition and subtraction. As students progress, number bonds become an essential mental problem solving strategy.

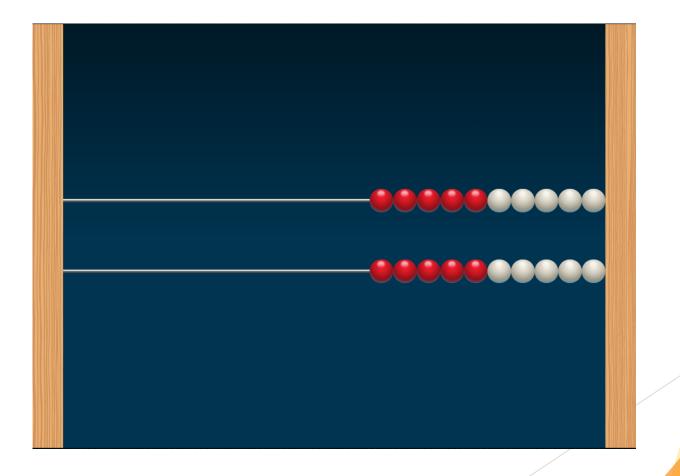
#### HOW DO NUMBER BONDS WORK?

Number bonds are represented by circles connected by lines. The 'whole' is written in the first circle, while the 'parts' are in the adjoining circles.



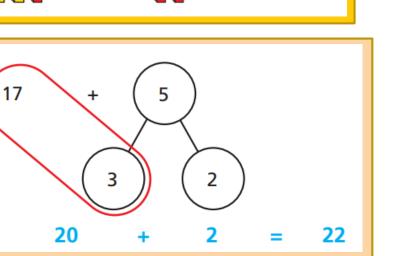
# Rekenrek

https://apps.mathlearningcenter.org/number-rack/



# Adding skills

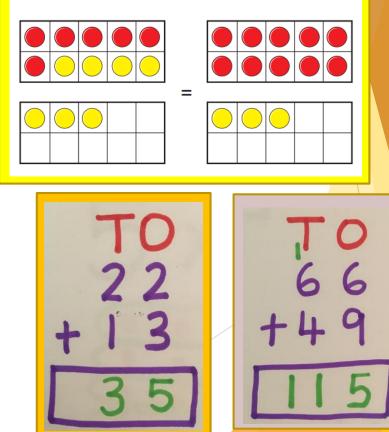


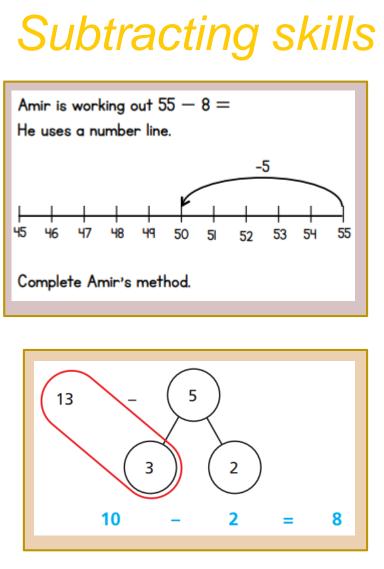


There's more than 1 method!

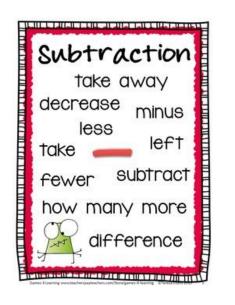


The ten frames show that 6 + 7 is the same as 10 + 3

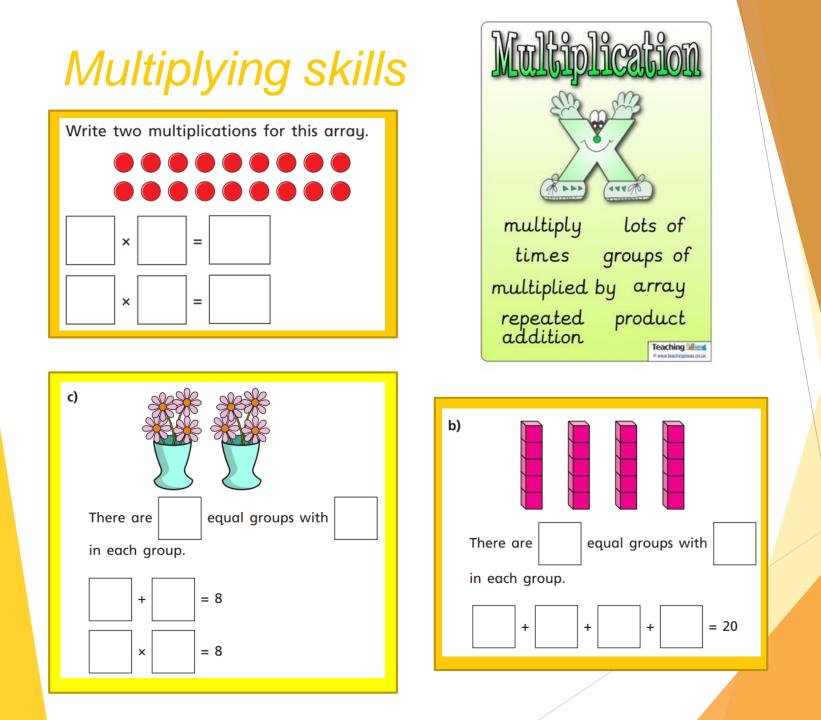


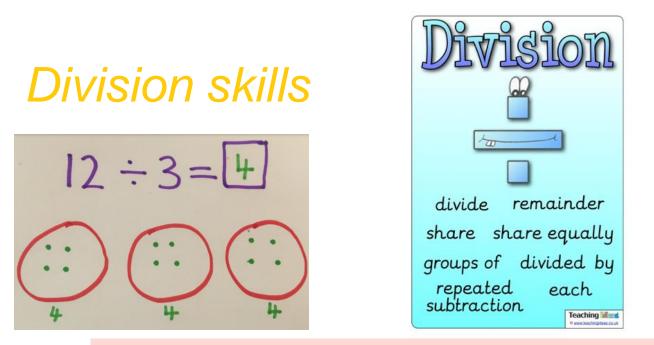


There's more than 1 method!









#### There is a difference between sharing and grouping!

Annie has 12 apples.



She shares them equally into 2 boxes. Show how Annie shares the apples equally. Annie has 10 apples.

## 

Annie has some plates. She wants to put 2 apples on each plate. Show how Annie groups the apples.



# Maths is everywhere!



# Ways a Parent Can Help with

Look for shapes and patterns in real life Have your child measure ingredients for a recipe you are making Ask your child to explain the math skills he or she is working on in school

When helping your child with homework or school assignments, ask him or her to explain how he or she got an answer Help your child find some appropriate number and problem-solving games to play online Play card or board games that involve counting or patterns

## How can you help?

Ask your child to count change at the grocery store, or to estimate the total cost while you are shopping



#### Compare:

Which is the tallest? ...the heaviest? ...the longest? ...the smallest? ...the fastest? ...the fastest? ...the hottest? ...the most expensive? Have tools such as a ruler, a scale, a calculator, and a measuring tape available to use in your house

9

10

Encourage your child to track or graph scores or stats for a favorite sports team Use dice or playing cards to make a game out of practicing math facts

Point out ways math is part of "real" life: money, computers, music, art, construction, cooking... All around us, every day.

# A MEASURE OF KNOWLEDGE RETENTION

Retention - A pupil **really understands** a mathematical concept, idea or technique if they can:

- describe it in their own words;
- represent it in a variety of ways
- explain it to someone else
- create examples and non-examples;
- see connections with other facts and ideas;
- recognise it in new situations and contexts;
- make use of it in various ways, including new situations.







# Online resources to support your child

- <u>http://www.ictgames.com/mobilePage/</u>
- <u>https://play.ttrockstars.com</u>
- https://www.topmarks.co.uk/maths-games/5-7years/counting



#### **Doggy Division Dinners**

Divide the bones between the puppies. This delightful site pu useful introduction to division

