



YEAR 3 INSPIRE

Welcome to our inspire session

CPA APPROACH

- In Maths we use a CPA approach.
- Concrete — children can learn new concepts by using concrete materials such as base 10 materials
- Pictorial — children will apply skills/explore concepts using picture representations such as place value charts or a part whole model
- Abstract — this is the Maths you're probably most familiar with. This is calculations and problem solving represented by numbers

WHY MENTAL MATHS?

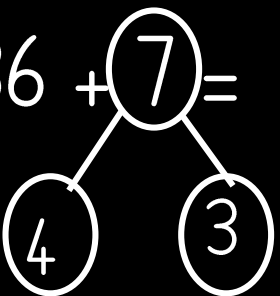
- It's important the children have good mental maths skills as this is the foundation of all Maths and will support them with solving more complex maths problems.
- By giving children the tools that they need to master mental maths, you're opening up a world of possibilities and giving them a great deal of independence. It also improves their memory skills, which will benefit them in all aspects of their learning journey. Mental maths is the key to confidence and fluency.

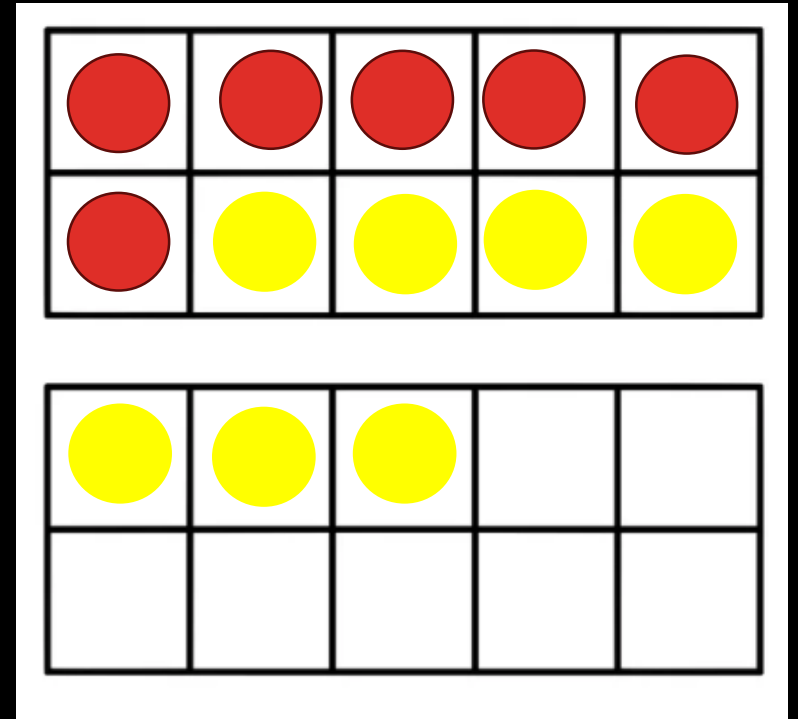
LET'S PRACTISE – NUMBER BONDS



ADDITION

- Number bonds can help us mentally add

- $36 + 7 =$




IMPORTANT MENTAL MATHS SKILLS

- Number bonds
- Doubles and halves
- Times tables and related division facts
- Addition and subtraction

Number Facts	Example
Doubles up to 10	$1 + 1 = 2$ $5 + 5 = 10$ $9 + 9 = 18$
Doubles up to 20	$10 + 10 = 20$ $15 + 15 = 30$
Number facts to 5	$1 + 4 = 5$ $3 + 2 = 5$
Number facts to 10	$6 + 4 = 10$ $3 + 7 = 10$
Ten and over	$17 + 2 = 19$ $10 + 5 = 15$
Bridging over 10	$7 + 6 = 13$ $3 + 8 = 11$
Number facts to 20	$13 + 7 = 20$ $15 + 5 = 20$

BLOOKET

- Let's play a game:
- <https://www.blooket.com/>

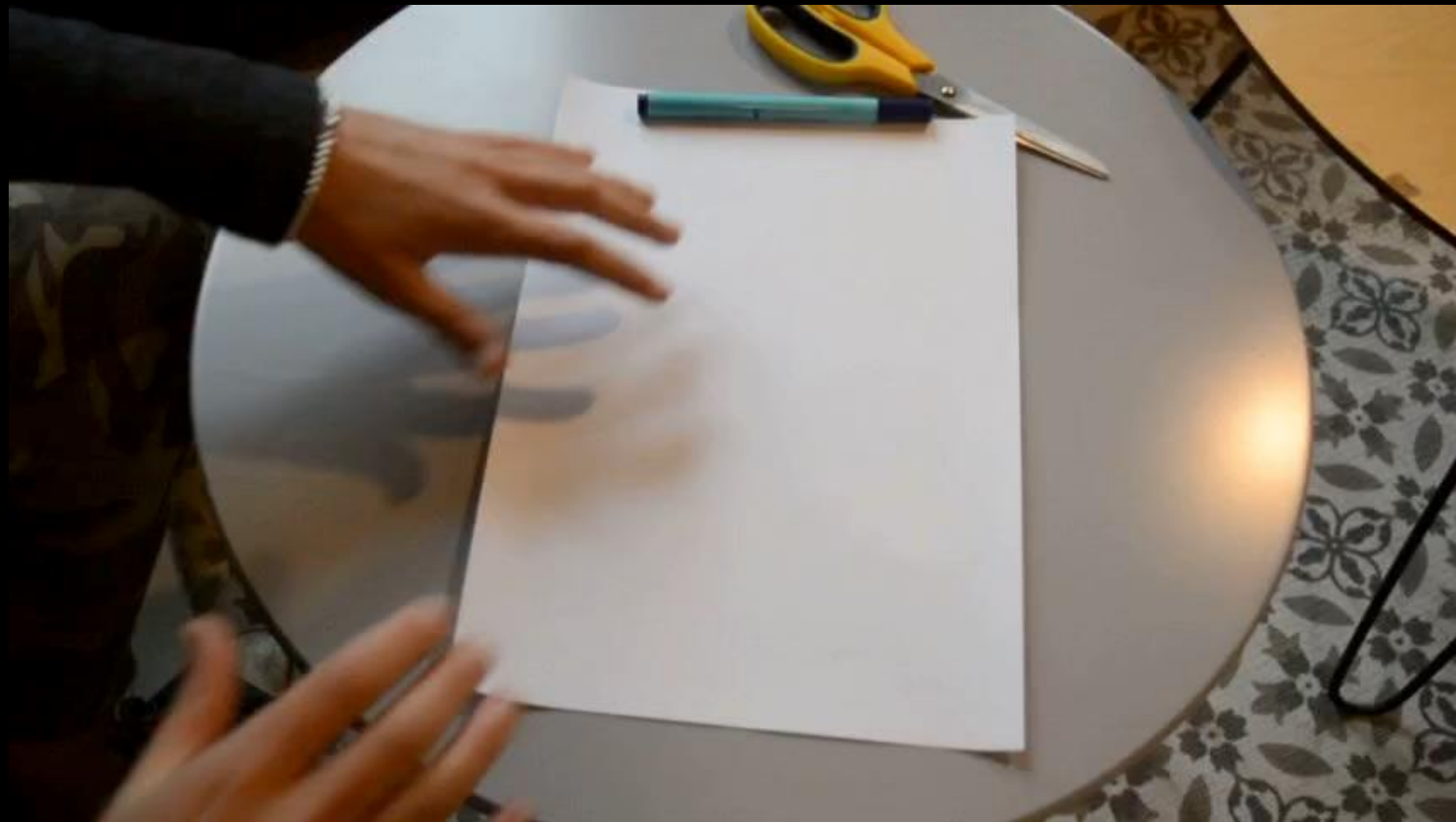



WHITE ROSE 1 MINUTE MATHS

- https://assets.whiteroseeducation.com/secure/digital-tools/1-minute-maths/index.html?_gl=1*12sfv8w*_ga*MzE0MDExNDQ5LjE2ODgzODM4MTY.*_ga_869Y76J73T*MTY5ODUyMTAzMS4yMi4xLjE2OTg1MjEwNjkuMC4wLjA



3 MINUTE MATHS PAPER FLIP



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- Use your paper flips to practise your Maths facts or choose a Maths game from the table to play. Have fun!