How the learning fits together

White Rose teaching: explore concepts with objects, pictures and calculations.

Number Sense fluency: learn number relationships and use known facts.

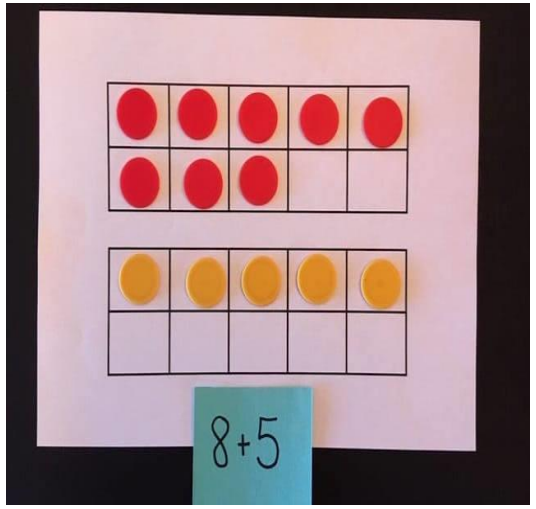
NumBots: practise addition and subtraction through visual questions and games.

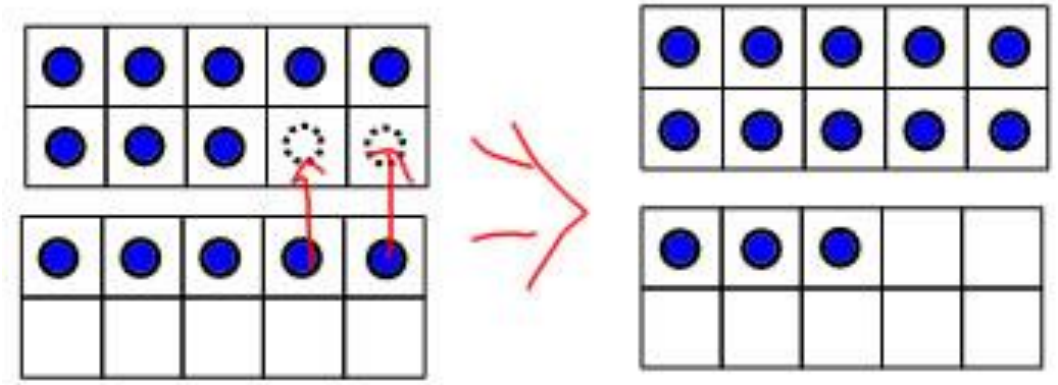
One calculation, connected learning

White Rose connection: show 8 + 5 with a ten frame. **8 needs 2 more. Split 5 into 2 and 3**

Number Sense connection: use a bond to 10 to work it out.

NumBots connection: recognise the same relationship in visual and calculation practice.





Addition as combining parts



Make 3 objects and 2 objects. Push the groups together.
“3 and 2 are parts. 5 is the whole.”

3 + 2 = 5

Helpful prompts if your child is stuck

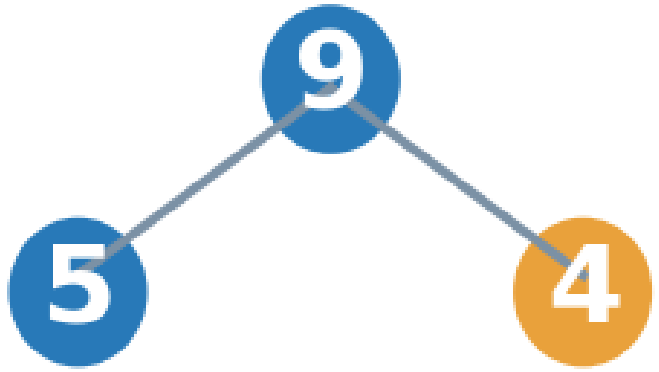
“Can you show it with objects?”

“Which part do you know?”

“What number fact could help?”

“Can you explain it another way?”

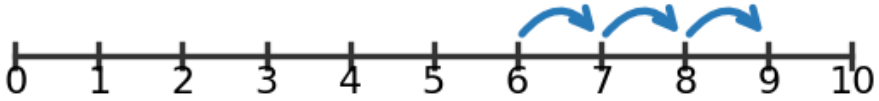
Parts and wholes



“9 is the whole. 5 and 4 are the parts.”
Cover the 4. What must the missing part be?

Number line

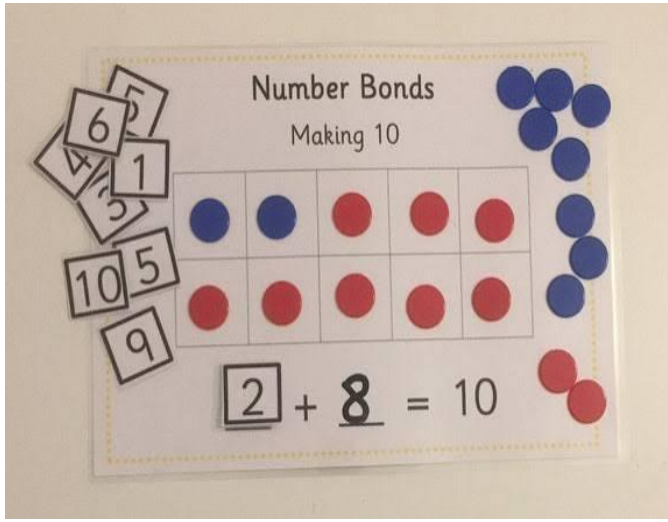
6 + 3 =
6 is the starting number, we are jumping 3 more. What is the answer?



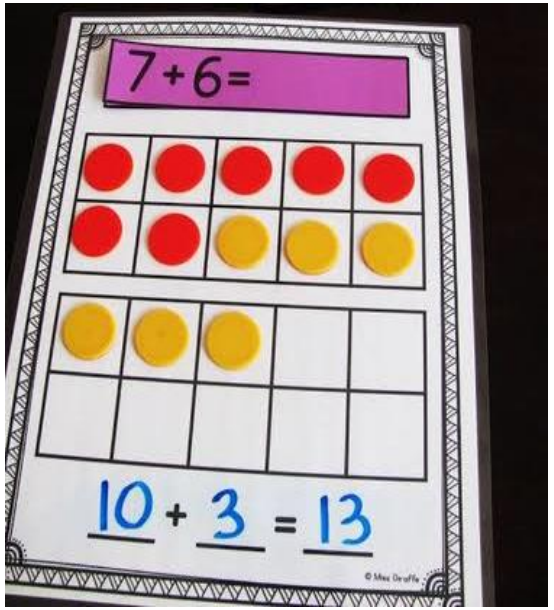
Seeing numbers without counting



Bonds to ten (and related facts)



Addition through ten



NUMBOTS

ABOUT NUMBOTS

What is NumBots?	NumBots is an online maths learning platform that helps children learn how to add and subtract, improving their fluency and recall in basic mental maths, and equipping them with maths confidence.
Why is NumBots important?	Basic number skills are the essential building blocks for higher-level maths concepts. NumBots covers number recognition, number bonds, and addition and subtraction of double digit numbers; gradually helping your child to build a solid conceptual understanding of number sense.
How often should my child play?	We recommend a little and often approach; 3 minutes practice a day, 4 times a week is a good target.

LOGGING IN

What is my child's username and password?	Your child's teacher will provide a unique username and password (or picture pin). Please encourage your child not to share their password with others.
How does my child log in?	Log in to NumBots on a browser at play.numbots.com and select Schools > Pupils > enter the school name or postcode. Select the correct school and then enter their username and password/pin details.
Is there an App?	Yes, there is an app for Amazon, Android and Apple devices. Please go to the relevant app store to download the app for free.

HOW THE GAME WORKS

Who is Rusty?	Rusty is the central character of NumBots who needs help in his quest to find new parts to upgrade himself to a shiny diamond bot. Children progress through the game, unlocking levels and upgrading Rusty as they
How does my child accessorise their Bot Avatar?	When your child first logs in they will be able to choose a Bot Name and Bot Avatar. Coins earnt by answering maths questions correctly can be spent in the Custom Shack on new parts to personalise their own robot.
What is Story Mode?	Story Mode consists of 18 stages, each containing numerous levels which players must pass to unlock the next, focusing on conceptual understanding of core maths. Using a variety of visual representations, Story Mode introduces different calculation strategies in a carefully
What is Challenge Mode?	Challenge Mode consists of rapid responses to essential maths facts against the clock. Each of the 30 challenges focuses on a key skill or objective, and each game lasts 1 minute. Unlike Story Mode, all of the challenges are available to play as soon as Challenge Mode is unlocked.



Today your child will bring home a launch letter which includes their login details and information about accessing the programme.

The recommended daily limit for the programme is 5-10 minutes.

Useful links and resources

NumBots play: play.numbots.com

Parent support: numbots.com/parents-and-carers

Number Facts Fluency: numbersensemaths.com/nff

White Rose parent resources: whiteroseeducation.com/parent-pupil-resources

Take home: Shoreditch Park NumBots illustrated parent guide