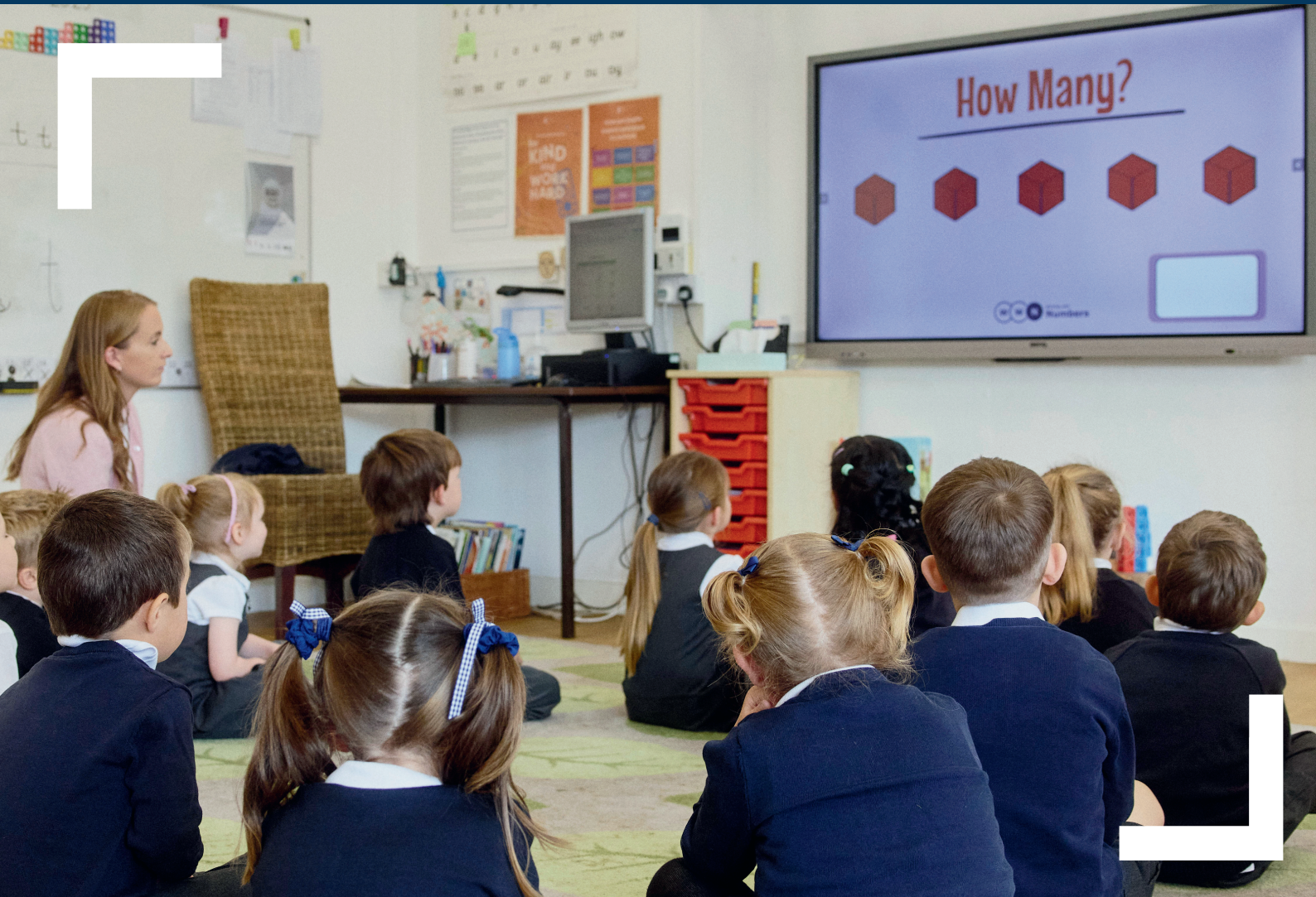


**W W N** Winning with  
**Numbers**

It's like phonics for Maths



# Part of Hachette Learning's complete maths solution

Winning With Numbers ensures learners acquire essential number knowledge for their learning journey. Building fluency and confidence, there's a place in the loop for every learner throughout your school (including teachers) with Hachette Learning resources.

**Teach:** explain and practice your complete maths curriculum with print or digital classroom resources

**Assess & Analyse:** measure attainment and track progress across your whole curriculum



**Professional Development:** drive teaching standards with Hachette Learning Academy publications and online courses

**Intervene:** plug knowledge gaps with targeted interventions or identify and support potential underlying barriers to learning

# A structured and systematic approach to number knowledge

Winning With Numbers (WWN) identifies 300 unique pieces of number knowledge for step-by-step learning.

Although these pieces of knowledge are interconnected, they must be learnt individually, in order, and with the required background knowledge already in place. WWN puts them in an ideal, straight-line sequence of learning that guides learners along the path to numeracy, one number 'win' at a time.



Saying "1, 2, 3" out loud

Mental calculations with two decimal place numbers



“ I have been hugely impressed by the level of forensic thinking that sits behind Winning With Numbers.

– Brambles and Dormanstown Primary Academy

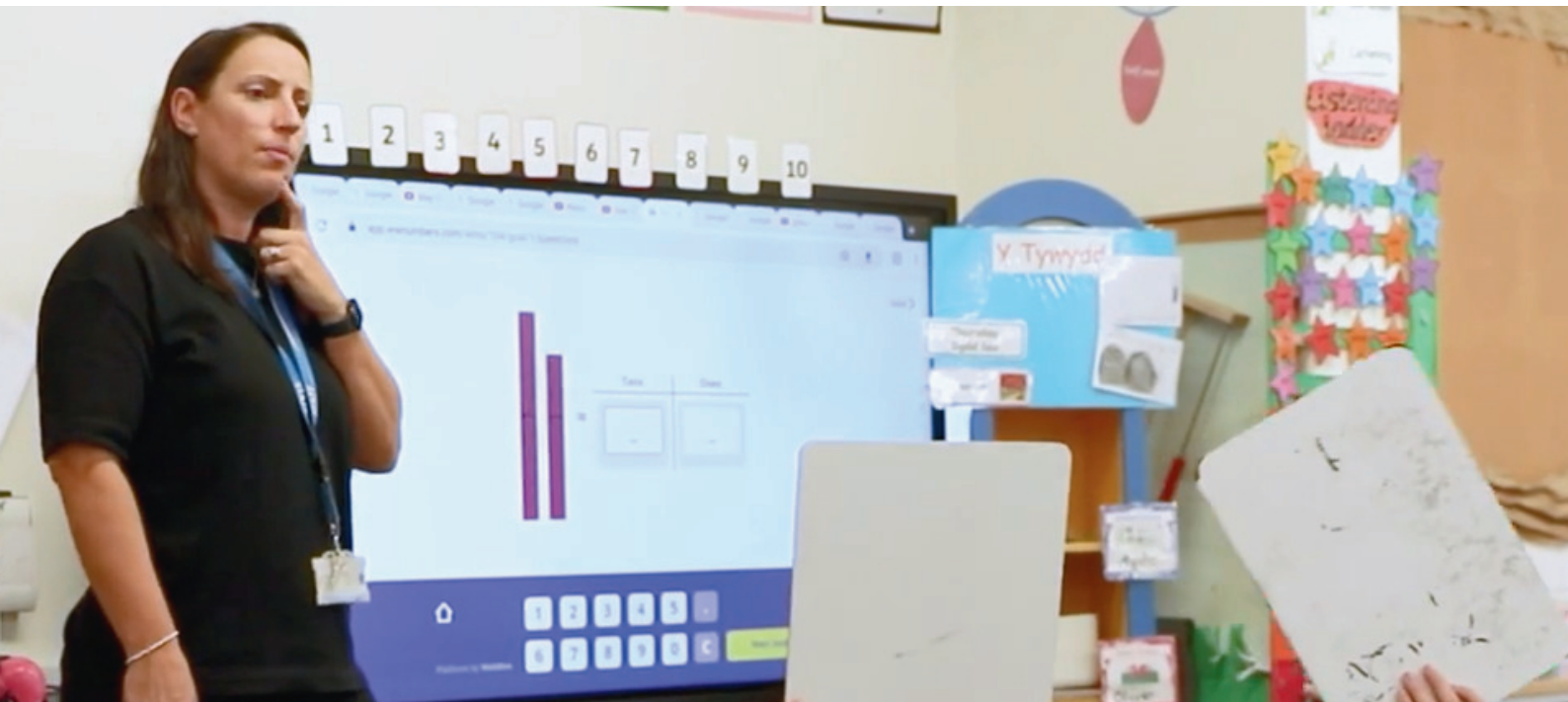
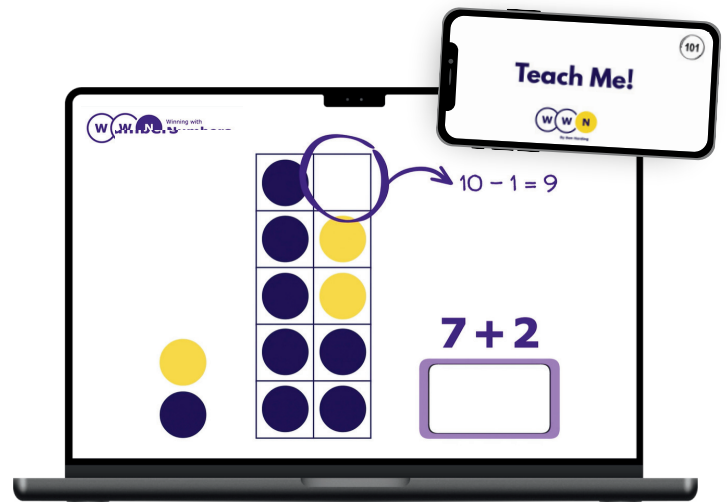
# What's included?

WWN offers a small step number curriculum, daily teaching videos, practice and retrieval questions, feedback, tracking and much more, giving you the tools you need to improve numeracy outcomes and help every learner become fluent and confident with number.

## 300 Sequenced Teaching Videos

Highly visual '**Teach Me!**' videos explain the key concepts and ideas to learners at every step in the learning sequence.

- Ideal for showing in the classroom, watching for homework and helping teachers plan.
- Videos are carefully structured to build upon each other, while keeping the learner grounded to the core learning journey.



“Winning With Numbers significantly **reduces staff workload** because all the planning and resources are available at the click of a button.

- Deputy Headteacher, Langley Green Primary



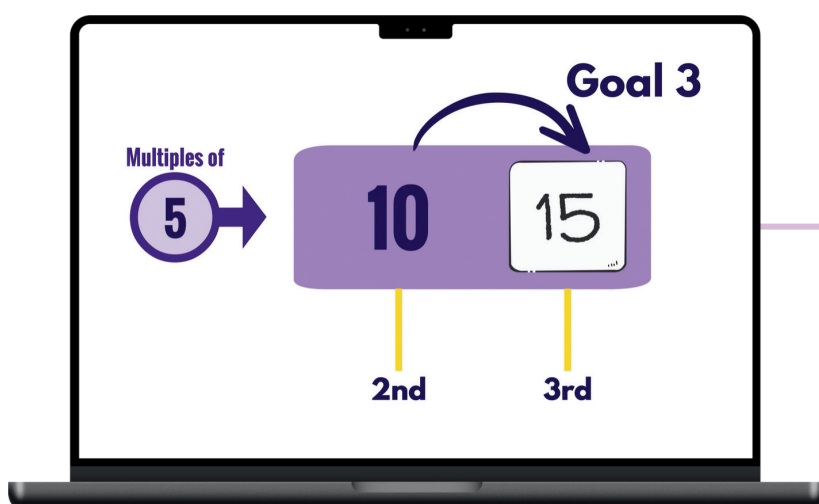
“ Now that Winning With Numbers is embedded in daily lessons children are more confident and fluent. The small step curriculum really helps **all children succeed**.

– Brambles and Dormanstown Primary Academy

## 1200 Explicit Instruction Goal Videos

Each piece of number knowledge is broken down into even smaller **Goals**, offering an atomised curriculum design of fine-tuned learning points.

- Short instructional videos model to children exactly how to respond to questions that will follow.
- After the videos, **goal questions** test learners' immediate recall and provide feedback and encouragement; ideal for highly structured and visual homework.



This level of accuracy and detail allows learners to build up the strong mental processes necessary for high performance number knowledge.

## Practice Questions

Tens of thousands of follow-up **practice questions** ensure learners fully understand the number knowledge within each 'win'.

## Retrieval Questions

Once practice questions are completed, learners unlock **retrieval questions**, which pull from earlier 'wins' in the learning sequence.

- Memory strength is developed through retrieval questions, as new knowledge is constructed with the help of previous 'wins'.



Onscreen feedback and celebrations of their 'wins' help keep learners motivated, engaged and on track.

## Assessment and Reporting

Learners are assessed with a number-fluency check called **Going for Gold**, which measures if learners are able to respond to the questions at each 'win' correctly and without hesitation.

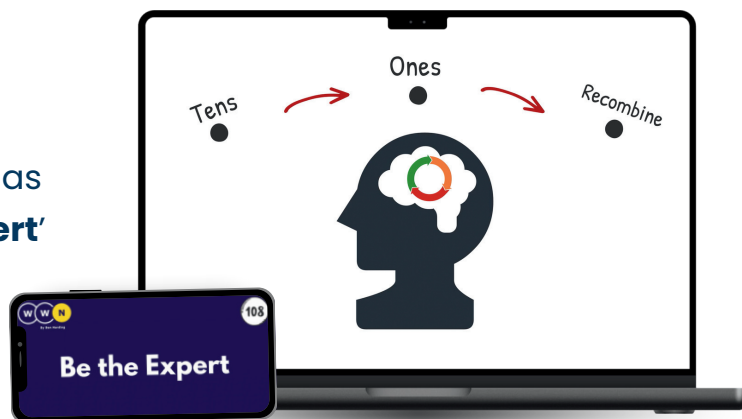
- Data feeds directly to their teacher's account, enabling them to respond appropriately and ensure all children progress.
- **Whole school reports** allow leaders to monitor and celebrate progress throughout the year, showing the percentage of children on track, the average 'win' number, and the average gap for each class.



Include	Student	Baseline	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	On Track?	Gap From Expected
<input type="checkbox"/>	Year4Student1 Year4Student1	250	—	—	—	—	—	—		0
<input type="checkbox"/>	Year4Student2 Year4Student2	248	—	—	—	—	—	—		-2
<input type="checkbox"/>	Year4Student3 Year4Student3	233	—	—	—	—	—	—		-17
<input type="checkbox"/>	Year4Student4 Year4Student4		—	—	—	—	—	—		0
% On track		25%	0%	0%	0%	0%	0%	0%		
Average win		183	0	0	0	0	0	0		
Average gap		-67	-260	-270	-277	-285	-292	-300		
Wins Behind		—	—	—	—	—	—	—		

## Professional Development Videos

Each piece of number knowledge also has its own unique and detailed '**Be the Expert**' video, with precise pedagogical points for this domain and ideas for supporting and extending learning.



## A programme grounded in pedagogy

Created by Ben Harding (aka 'Teacher Ben'), an experienced school leader, maths teacher, advisor and edtech specialist, the Winning With Numbers sequence of learning is driven by globally recognised features of Great Teaching: Cognitive Load Theory, Retrieval Practice and Explicit Instruction.

WWN is based upon four fundamental beliefs:

1. Basic number knowledge is best acquired through a **systematic and synthetic construction**, like phonics.
2. The biggest driver for success is the accuracy, detail and sophistication held within the **sequence of learning**.
3. **Explicit and direct instruction** is the most efficient teaching strategy for this specific curriculum domain.
4. **Digital technologies** provide vital support in maintaining a 'high press' on multi-part cognitive processing speed.

Teacher Ben

“It's great to see something that has been created by someone who **understands** children, teachers, workload and numeracy.

- Y3 Teacher, Langwathby Primary



Winning With Numbers is **something of a revelation** — why have we not been teaching number knowledge like this all along?

– Headteacher, Broad Haven C.P. School



### Speak to an expert

Scan the QR code to book a chat with one of our team and request a bespoke demo of the WWN platform.

Find out more at [hachettelearning.com/wwn](https://hachettelearning.com/wwn)