

Supporting Your Child with Maths at Home

Mathematics foundational skills in primary school focuses on helping children develop **strong number sense**. This means understanding numbers, recognising patterns, and being able to calculate confidently.

Below is an overview of the key skills children learn in each year group and **simple ways you can support learning at home**.

EYFS (Reception) – Early Years Number Sense (EYNS)

In Reception, children begin developing early number understanding through play, counting, and recognising patterns.

Coverage

Autumn	Spring	Summer
Subitising 1-5 (Dots, Hands, Tens Frame)	- Subitising 6 – 10 (Dots, Hands, Tens Frame) - Counting up to 10 items - Partitioning 2 - 10	- Composition 6 – 9 - Comparing to 10 - Patterns in odds and evens - Patterns in doubles - Equal distribution

Book 1 assessment recording sheet Date _____

					
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Notes:

Notes:

Subscriber: Hanham Abbots Junior School, 8032174

Book 2 assessment recording sheet Date _____

Notes:

Also ask children to show quantities on their own hands. Note which they can/can't show and whether they can show on all-at-once fingers, or whether they take a while to manipulate fingers into position.

9	7	6	10	8
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Notes:

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Book 3 assessment recording sheet Date _____

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Key Skills

Key Skills	Examples
Subitising (recognising small quantities instantly) Children learn to recognise numbers without counting .	• Seeing 3 dots and knowing it is 3 • Recognising 5 on a dice • Showing numbers with fingers
Counting up to 10	• Counting objects carefully • Touching or moving objects as they count • Knowing the last number counted tells how many there are • <i>Example</i> Counting 7 toy cars and saying "There are 7 cars".
Partitioning numbers (breaking numbers apart) Children begin to see how numbers are made.	• $6 = 5$ and 1 • $7 = 4$ and 3
Composition of numbers Understanding that numbers can be made in different ways.	• 8 can be $5 + 3$ • 8 can be $6 + 2$
Comparing numbers to 10 Children learn to compare quantities.	• More than • Less than • The same
Patterns in numbers	• Odd and even numbers • Doubles ($2+2$, $3+3$)
Sharing and equal groups Children begin to share objects equally.	• Sharing 6 grapes between 2 people.

How You Can Help at Home

- Count everyday objects (toys, fruit, steps).
- Play dice games.
- Ask "How many do you see?" before counting.
- Practise finger numbers to 10.
- Share snacks equally between family members.
- Spot numbers in everyday life (house numbers, buses, prices).

Year 1 – Number Sense: Number Fact Fluency

Children build a strong understanding of numbers up to 10 and begin learning important number facts.

Coverage

Autumn		Spring	Summer	
Stage 1 Subitising 1-10 (Dots, Hands, Tens Frame)	Stage 2 Make and Break to 10	Stage 3 One More, One Less Two More, Two Less Number 10 Fact Families Five and a Bit Know About Zero Doubles and Near Doubles	Stage 3 Number Neighbours 7 Tree and 9 Square	Stage 4 Ten and a Bit
4 Weeks	7 Weeks	11 Weeks	3 Weeks	3 Weeks

Stage 3

✓ One more, one less

✓ Two more, two less

✓ Number 10 Fact Families

✓ Five and A Bit

✓ Know about Zero

✓ Doubles and near doubles

✓ Number Neighbours

✓ 7 tree and 9 square

Stage 4

✓ Ten and A Bit

Stage 5

Make ten and then +

Make ten and then -

More doubles and near doubles

Adjusting

+

	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10

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	0	1	2	3	4	5	6	7	8	9	10
0	0-0										
1	1-0	1-1									
2	2-0	2-1	2-2								
3	3-0	3-1	3-2	3-3							
4	4-0	4-1	4-2	4-3	4-4						
5	5-0	5-1	5-2	5-3	5-4	5-5					
6	6-0	6-1	6-2	6-3	6-4	6-5	6-6				
7	7-0	7-1	7-2	7-3	7-4	7-5	7-6	7-7			
8	8-0	8-1	8-2	8-3	8-4	8-5	8-6	8-7	8-8		
9	9-0	9-1	9-2	9-3	9-4	9-5	9-6	9-7	9-8	9-9	
10	10-0	10-1	10-2	10-3	10-4	10-5	10-6	10-7	10-8	10-9	10-10
11		11-1	11-2	11-3	11-4	11-5	11-6	11-7	11-8	11-9	11-10
12			12-2	12-3	12-4	12-5	12-6	12-7	12-8	12-9	12-10
13				13-3	13-4	13-5	13-6	13-7	13-8	13-9	13-10
14					14-4	14-5	14-6	14-7	14-8	14-9	14-10
15						15-5	15-6	15-7	15-8	15-9	15-10
16							16-6	16-7	16-8	16-9	16-10
17								17-7	17-8	17-9	17-10
18									18-8	18-9	18-10
19										19-9	19-10
20											20-10

Select all

Clear all

Key Skills

Key Skills	Examples
Subitising numbers to 10 Recognising numbers quickly using	• Dice patterns • Ten frames • Fingers
Making and breaking numbers to 10 Children learn how numbers combine to make 10.	• $7 + 3 = 10$ • $6 + 4 = 10$ • These are called number bonds to 10.
One more / one less Understanding how numbers change.	• One more than 8 is 9 • One less than 8 is 7
Two more / two less	• Two more than 5 is 7 • Two less than 5 is 3
Fact families Understanding how addition and subtraction are linked.	• If $7 + 3 = 10$ • Then $3 + 7 = 10$ $10 - 7 = 3$ $10 - 3 = 7$
Doubles and near doubles	• Doubles: ○ $2 + 2$ ○ $5 + 5$ • Near doubles: ○ $5 + 6$ ○ $7 + 8$
Understanding zero	• Adding 0 keeps the number the same • Subtracting from zero changes the result
Number neighbours Understanding numbers that sit next to each other on a number line.	• Neighbours of 8 are 7 and 9.

How You Can Help at Home

- Practise number bonds to 10 regularly.
- Ask quick questions like:
 - “What makes 10 with 6?”
 - Use Lego or toys to make number pairs.
 - Play board games involving counting.
 - Practise doubles (e.g. double 4 = 8).
 - Ask “one more” or “one less” during everyday activities.

Year 2 and Year 3 – Number Sense: Number Fact Fluency

Children deepen their understanding of number facts and start using them to solve calculations more efficiently.

Coverage

Autumn			Spring	Summer
Stage 1 and 2 Subitising 1-10 (Dots, Hands, Tens Frame) Partitioning to 10	Stage 3 One More, One Less Two More, Two Less Number 10 Fact Families Five and a Bit Know About Zero Doubles and Near Doubles Number Neighbours 7 Tree and 9 Square	Stage 4 and 5 Ten and a Bit Make 10 and Then Addition Make 10 and Then Subtraction	Stage 5 and 6 More Doubles and Near Doubles Adjusting Calculating multiples of 10 Two-digit numbers (calculating with ones) Two-digit numbers (calculating with tens)	Stage 6 Make The Next Ten and Then Make the Previous Ten and Then
1 Week	4 Weeks	6 Weeks	12 Weeks	2 Weeks

Stage 3

✓ One more, one less

✓ Two more, two less

✓ Number 10 Fact Families

✓ Five and A Bit

✓ Know about Zero

✓ Doubles and near doubles

✓ Number Neighbours

✓ 7 tree and 9 square

Stage 4

✓ Ten and A Bit

Stage 5

✓ Make ten and then +

✓ Make ten and then -

✓ More doubles and near doubles

✓ Adjusting

+

0

1

2

3

4

5

6

7

8

9

10

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17

17-7

17-8

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18

18-8

18-9

18-10

19

19-9

19-10

20

20-10

Select all

Clear all

Key Skills

Key Skills	Examples
Secure number bonds to 10 Children should know these quickly and automatically.	• $7 + 3 = 10$ • $6 + 4 = 10$ • These are called number bonds to 10.
Making 10 to help calculate Children use number bonds to solve larger problems.	• Example: $8 + 5$ • Think: $8 + 2 = 10$ $10 + 3 = 13$
Doubles and near doubles Using doubles to help solve problems.	• Example: $6 + 7$ • Think: $6 + 6 = 12$ Plus one more = 13
Two-digit numbers Children begin working with greater numbers.	• 23 • 46 • 58 • They learn that numbers have tens and ones. • Example: $34 = 3 \text{ tens and } 4 \text{ ones}$
Calculating with ones and tens	• $34 + 5$ $34 + 20$
Adjusting calculations Children learn to make calculations easier.	• Example: $9 + 6$ • Think: $10 + 5 = 15$

How You Can Help at Home

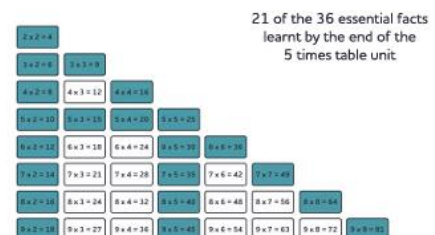
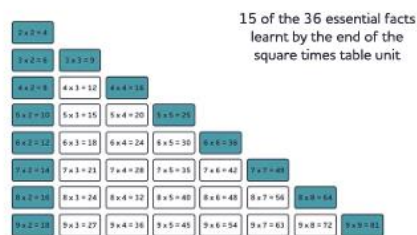
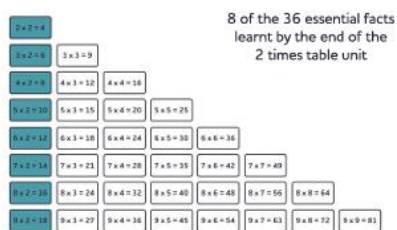
- Practise number bonds regularly.
- Ask quick mental maths questions.
- Use money when shopping to practise numbers.
- Encourage children to explain how they solved a problem.
- Play number games while travelling.

Year 3 – Number Sense: Times Table Fluency

Children begin to consolidate early times table facts, building on fluency from Year 2 maths lesson.

Coverage

Autumn	Spring			Summer	
	Stage 1 Unit 1 Doubles	Stage 2 Unit 1 2 Times Table	Stage 2 Unit 2 Square Times Table	Stage 2 Unit 3 5 Times Table	Stage 2 Unit 4 Consolidation
	5 weeks	5 weeks (8 facts)	5 weeks (7 new facts)	5 weeks (6 new facts)	3-5 weeks 21 out of 36 facts learnt by end of Year 3



Key Skills

Key Skills	Examples
Children learn and practise times tables in Number Sense including: 2 times table - Square numbers 5 times table In maths lessons: 3 times table 4 times table 8 times table 10 times table	- Multiplication and division are linked. - Example: $4 \times 5 = 20$ - So $20 \div 5 = 4$ $20 \div 4 = 5$ - Children also continue developing calculation strategies using number facts.

How You Can Help at Home

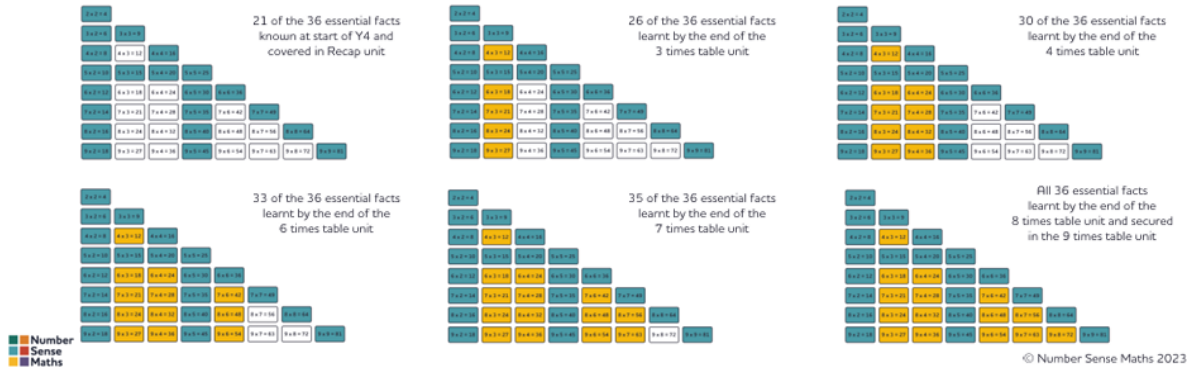
- Practise times tables little and often.
- Ask quick questions such as:
 - “What is 4×6 ?”
 - Practise division facts too.
 - Play multiplication games online.
 - Use real-life situations (arrays of objects, groups of items).

Year 4 – Number Sense: Times Table Fluency

Children complete the essential multiplication facts identified in the National Curriculum (up to 12×12).

Coverage

Autumn			Spring						Summer			
Stage 3 Unit 1 Recap	Stage 3 Unit 2 3 Times Table	Stage 3 Unit 3 4 Times Table	Stage 3 Unit 4 6 Times Table	Stage 3 Unit 5 7 Times Table	Stage 3 Unit 6 8 Times Table	Stage 3 Unit 7 9 Times Table	Stage 4 Unit 1 More squares	Stage 4 Unit 2 10&11 TT	Stage 4 Unit 3 12 Times Table	Stage 4 Unit 4 MTC Prep	MTC	Stage 5 Consolidation
3 weeks	5 weeks (5 new facts)	5 weeks (4 new facts)	3 weeks (3 new facts)	3 weeks (2 new facts)	2 weeks (1 new fact)	2 weeks (0 new facts)	1 wk	1 wk	4 weeks	3 weeks	1 wk	3-5 weeks
30 out of 36 facts learnt by end of Autumn Term			All 36 facts learnt by mid Spring 2						(Remaining facts needed for MTC learnt)			



Key Skills

Key Skills	Examples
Rapid recall of multiplication facts	$7 \times 8 = 56$ $9 \times 6 = 54$
Understanding division facts	$56 \div 8 = 7$
Using times tables to solve problems	- If one pencil costs £3, How much do 4 pencils cost? $3 \times 4 = 12$

How You Can Help at Home

- Practise times tables daily for short periods.
- Use quick-fire questions.
- Encourage children to explain patterns in tables.
- Use online games to keep practice fun.
- Practise both multiplication and division.

Year 5 — Number Sense: Times Table Fluency

Children consolidate the essential multiplication facts identified in the National Curriculum (up to 12×12).

36 essential facts

- ☒ 2 times table
- ☒ 3 times table
- ☒ 4 times table
- ☒ 5 times table
- ☒ 6 times table
- ☒ 7 times table
- ☒ 8 times table
- ☒ 9 times table
- ☒ Square times table

2×2								
3×2	3×3							
4×2	4×3	4×4						
5×2	5×3	5×4	5×5					
6×2	6×3	6×4	6×5	6×6				
7×2	7×3	7×4	7×5	7×6	7×7			
8×2	8×3	8×4	8×5	8×6	8×7	8×8		
9×2	9×3	9×4	9×5	9×6	9×7	9×8	9×9	

Additional tables

- ☒ 10 times table
- ☒ 11 times table
- ☒ 12 times table

10×2	10×3	10×4	10×5	10×6	10×7	10×8	10×9	10×10			
11×2	11×3	11×4	11×5	11×6	11×7	11×8	11×9	11×10	11×11		
12×2	12×3	12×4	12×5	12×6	12×7	12×8	12×9	12×10	12×11	12×12	

Useful Online Maths Resources

NumBots (EYFS – Year 2)

Helps children develop number bonds and early calculation skills.

<https://play.numbots.com/?&/account/school-login/35649>

Times Table Rock Stars (Year 3 – Year 6)

Improves speed and confidence with times tables.

<https://play.ttrockstars.com/auth/school/student>

White Rose Maths Resources

Parent guides and maths practice activities.

<https://whiteroseeducation.com/parent-pupil-resources/maths/free-downloads>

White Rose 1-Minute Maths

Short daily maths practice.

<https://whiteroseeducation.com/1-minute-maths>

Hit the Button

Quick mental maths games for number facts and times tables.

<https://www.topmarks.co.uk/maths-games/hit-the-button>