

Summer Maths Fluency Guide



Keeping Maths Ticking Over This Summer

The summer holidays are a great time to keep maths positive, practical and pressure-free. A few minutes here and there is plenty. Playing games, cooking, shopping and talking about numbers together are some of the best ways to maintain fluency.

EYFS (Nursery & Reception)

Key Fluency Skills	Ideas to Practise at Home
<p>Nursery</p> <ul style="list-style-type: none"> Recite numbers past 5 Show numbers to 5 on fingers Match numerals to amounts to 5 Subitise (recognise a quantity without counting) to 3 Say one number for each item when counting Recognise numbers to 10 <p>Reception</p> <ul style="list-style-type: none"> Subitise (recognise a quantity without counting) to 5 Doubles to 5 Count from 1-20. Find 1 more and 1 less to 20. Number bonds to 10 	<ul style="list-style-type: none"> Count shells, stones, toys or steps. Play dice, domino and matching games. Sing counting songs and rhymes. Spot numbers on doors, buses and signs. Set the table and count plates and cups. Make number bonds using snacks or toys. Bake together and count spoonfuls or ingredients. Sort toys into groups. Build towers and compare heights. Look for shapes during walks. Try BBC Bitesize and Topmarks games.

KSI (Years 1 & 2)

Key Fluency Skills	Ideas to Practise at Home
<p>Year 1</p> <ul style="list-style-type: none"> Number bonds to 20 Count in 2s, 5s and 10s Subtract within 10 and 20 <p>Year 2</p> <ul style="list-style-type: none"> Read, write, order and compare numbers to 20 and then 100 Double numbers to 10 Halve numbers to 20 Number bonds to 100 (multiples of 10) Add within 50 and then 100 Subtract within 50 and then 100 Know the 5 and 10 times tables Count forwards and backwards in 10s from any number to 100 	<ul style="list-style-type: none"> Play shop using coins. Share snacks equally to practise halving. Count in 2s, 5s and 10s while skipping or bouncing a ball. Keep score during family games. Play board games involving counting and strategy. Bake together and weigh or measure ingredients. Find doubles and halves around the house. Read house numbers and put them in order. Ask questions such as "Which number is bigger?" or "What comes next?" Use BBC Bitesize, Topmarks or Hit the Button for short bursts of practice.

Lower KS2 (Years 3 & 4)

Key Fluency Skills	Ideas to Practise at Home
<p>Year 3</p> <ul style="list-style-type: none"> • Number bonds to 100 • 3 times table and division facts • 4 times table and division facts • 8 times table and division facts • Addition within 1000 • Subtraction within 1000 • Double numbers to 20 • Halve numbers to 40 • Count forwards and backwards in 100s from any number <p>Year 4</p> <ul style="list-style-type: none"> • 6 times table and division facts • 7 times table and division facts • 9 times table and division facts • 12 times table and division facts. Recall all multiplication facts to 12×12 	<ul style="list-style-type: none"> ✓ Use DoodleMaths and DoodleTables regularly. ✓ Play Hit the Button. ✓ Practise times tables little and often. ✓ Use playing cards for multiplication challenges. ✓ Play "Make 100". ✓ Estimate then count objects. ✓ Double or halve ingredients while baking. ✓ Help measure ingredients when cooking. ✓ Play board games and keep score. ✓ Ask quick-fire questions while travelling. ✓ Try NRICH puzzles and BBC Bitesize activities. ✓ Collect statistics from favourite sports teams and compare scores.

Upper KS2 (Years 5 & 6)

Key Fluency Skills	Ideas to Practise at Home
<p>Year 5</p> <ul style="list-style-type: none"> • Find 10, 100 and 1000 more or less • Read, write, order and compare numbers beyond 1000 • Round numbers • Understand factors and multiples • Recognise prime, square and cube numbers • Multiply by 10, 100 and 1000 • Divide by 10, 100 and 1000 • Use negative numbers <p>Year 6</p> <ul style="list-style-type: none"> • Understand percentages • Read, write, order and compare numbers beyond 1000 • Remain fluent in all previous skills 	<ul style="list-style-type: none"> ✓ Use DoodleMaths and DoodleTables regularly. ✓ Work out discounts in shops. ✓ Compare prices and estimate totals. ✓ Discuss temperatures and negative numbers. ✓ Plan a budget for a day out. ✓ Read timetables and calculate journey times. ✓ Scale recipes up or down when cooking or baking. ✓ Compare value-for-money offers in supermarkets. ✓ Play strategy board games and keep scores. ✓ Discuss percentages in sales, sports statistics and surveys. ✓ Work out spending money for holidays and trips. ✓ Try NRICH puzzles and BBC Bitesize activities.