

Step-By-Step: Master the Maths Curriculum from Home

Maths requirements for a Year 3 child – Ages 7 to 8

Unit 1 – Place Value

National Curriculum Objective	What this means	Activities you can do at home	Worksheets you can use
Count from 0 in multiples of 4, 8, 50 and 100	Count from 0 in steps of 4, 8, 50 and 100.	Practise counting in steps. Think about things in 4's – car wheels for example. How many wheels would 11 cars have? How many legs would 5 spiders have? Active: Catching a ball and counting in 4s, 8s, 50's, 100's. Extend: Count backwards in that step.	Step 1: I can count in multiples of 4 and 8 Step 2: I can count in multiples of 50 and 100
Find 10 or 100 more or less than a given number	Find 10 or 100 more or less than any number.	Shopping – if this cost £10 or 10p more – what would it be? Cooking/baking – If we need 300g of flour, what would 100g more be? 10g less be? Choose a random number – ask your child to tell you 100 more, 100 less, 10 more, 10 less. Active: Throwing and catching counting in 10's or 100's. Extend: Count backwards in those steps or start from a different number than 0, for example 27, 37, 47, 57 etc.	Step 3: I can find 10 or 100 more or less than any given number.
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	Understand numbers are made of Hundreds, Tens and Ones (units). E.g. 346 = 3 hundreds, 4 tens and 6 ones.	Make some simple number cards from 0-9 and mix them up (2 sets works well). Have your child and a friend/family member shuffle the cards face down. Pick up a card at random (taking turns) and place it into the hundreds place, tens place or ones place (have this marked on paper). The game finishes when both players have made a 3-digit number. The winner has the bigger number. Active: Have digits 0-9 written on sticky notes. On the floor or on a wall have columns marked Hundreds, Tens, Ones. A parent can shout a random 3-digit number. Your child must run to collect the sticky notes one at a time and place them into the correct columns to make the 3-digit number. Extend: Think about larger numbers – 4 digits, 5 digits and their place values.	Step 4: I can recognise the place value of each digit in a 3-digit number
Compare and order numbers up to 1000	To compare numbers using $>$ $<$ $=$	Play games like Top Trumps – great for comparing numbers. Which number is bigger? Which is smaller? How do we know? Write 4 random numbers on a page – 5287 – How many numbers can you make from this, and then can we put them in order from big to small, small to big?	Step 5: I can compare numbers to 1000

	To order numbers – ascending and descending	Order the number of letters in months of the year. Which month has the most letters? Which has the least? Active: Play any active game and see who can score the greatest amount. E.g. Who can jog on the spot for the greatest number of seconds? E.g. I jogged for 45 seconds, my brother jogged for 38 seconds. Arrange books on the shelf in order of pages – most to least pages. Extend: Compare and order numbers beyond 1000.	Step 6: I can order numbers to 1000
Identify, represent and estimate numbers using different representations	To see numbers in different ways – money, packs of items (10 bulbs in a box – 5 boxes – how many bulbs?) Estimate – have accurate guesses at numbers.	How many things are in this jar? How much do you think our shopping will cost? Active: Measuring – If our room measures 5 metres, what would half of the room's size be? Let's find out. Go for a walk or run and time yourself, can you work out in minutes and seconds how long the duration was? Extend: Partition numbers in different ways. Create number problems for people to solve. E.g. My number has 14 tens and 3 ones. What number is this?	Step 7: I can identify and represent numbers in different representations – partitioning Step 8: I can use number-lines to 1000
Read and write numbers up to 1000 in numerals and in words	To be able to recognise numbers in their numerical form and read and write them in words.	Recognising house numbers, car number plates, phone numbers, amounts of objects, costs of things – all number recognition. Ask child to write a number in numerals (numbers) and in words. Play bingo! Active: Scavenger hunt find and match. Write 10 3 digit numbers on pieces of paper and hide them around the house/garden. Write 10 numbers in words also and hide them. Ask your child to go around and find and match the numerals and words.	Step 9: I can read and write numbers to 1000 in numerals and words
Solve number problems and practical problems involving these ideas.	To use all the above-mentioned objectives collectively.		Step 10: Complete the End of Unit Test.