







Monkfield Park Maths Homework Expectations

The homework expectations for maths are:

	Main maths homework	Next step (instructed by class teacher)	
<u>Key Stage 1</u>	 10–15 minutes per week.		and/or  10–15 minutes per week.
<u>Key Stage 2</u>	 20–30 minutes per week.	 10 minutes (to retain facts).	and  10–20 minutes.

Rationale: Number facts and mental calculation strategies are the focus of maths homework because they are essential elements of the maths curriculum, which form the building blocks for higher-level maths skills including written calculations and problem solving & reasoning. Not securing number fact knowledge and mental calculation strategies has a detrimental impact on children’s progress and attainment in maths. They help children to understand the relationship between numbers and ‘number families’, like how $9-3=6$ because $3+6=9$ and $4 \times 60 = 240$ because $4 \times 6 = 24$. Whilst number facts and mental calculation strategies are covered in school as part of the curriculum, spending more time practising them at home enables us to focus on the wide areas of the curriculum that require teacher support.



Numbots is for children to achieve the ‘triple win’ of understanding, recall and fluency in the mental addition and subtraction of two-digit numbers, so that they can leave counting on their fingers behind. Numbots provides numerous visual representations, which makes the learning varied and engaging for the children. More information is included in this video: <https://youtu.be/5EdGOYu5zMw>



School Jam is a Reception and KS1 maths practice programme, designed to be used alongside Power Maths (the main maths teaching resource used in school) to help plug gaps in children’s knowledge and understanding and/or to consolidate current learning in school. The fun, easy-to-use activities are designed to be completed by children with their parents, helping to maximise children’s progress while building maths confidence. More information and previews of School Jam can be found here: <https://www.pearsonschoolsandcolleges.co.uk/primary/subjects/mathematics/school-jam-1#preview-activities>



Times Tables Rock Stars is an online maths programme that enables children to learn their times tables to the point of instant recall of multiplication and division facts up to 12×12 , thus boosting their confidence and fluency. The programme adapts to each child’s unique learning needs and teachers are able to track pupil’s individual progress. Several short sessions over the week are likely to prove more effective at retaining facts than one long session. The video found at the following link provides additional information: <https://youtu.be/1VqPOdfSquE>



Maths Flex is an intelligent online maths practice service for children in KS2 that personalises learning to the individual child by constantly adapting activities to the pupil’s own strengths and areas for development. Produced by the creators of Power Maths (Pearson), the characters used and the way the learning is presented are similar to maths lessons in school, providing consistency for the children. As with Power Maths, Maths Flex follows the mastery approach to maths learning by deepening children’s understanding whilst not going beyond their year group’s curriculum. Teachers can track the learning completed and progress made by children, helping to plan future maths learning in school. The following link provides a more detailed overview of Maths Flex: <https://youtu.be/cj6162dWv68>