



West Leigh Junior School

Part of the Portico Academy Trust

Executive Headteacher - Mrs C. Woolf

Ronald Hill Grove, Leigh-on-Sea, Essex, SS9 2JB

Tel: 01702 478593 Fax: 01702 714812

www.westleighjunior.co.uk

Email: office@wljs.porticoacademytrust.co.uk



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CEO - Mrs C. Woolf

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Dear Parents/Carers,

Mental Maths with a Mouse KIRFs

Last year, we shared initial details relating to Maths with a Mouse KIRFs and there are some details within the Communication Book that would be beneficial to clarify.

Key Instant Recall Facts (KIRFs) are vital skills that will be of great benefit to developing mathematicians. In order to enable pupils to be supported at home, we will be guiding you to a range of KIRFs during the year. These will sometimes be new aspects of learning or consolidation of prior learning: even the most able mathematicians benefit from recalling number bonds at pace! Sometimes pupils might have multiple KIRFs to practise but with the wealth of ideas and resources available via the Maths with a Mouse website, this should be easily manageable. Of course, if your child is engaged with the activities, you might wish to explore the other ideas and KIRFs.

Recall multiplication and division facts for the... KIRF T2 2 times tables KIRF T5 5 times tables KIRF T10 10 times tables KIRF T3 3 times tables KIRF T4 4 times tables KIRF T8 8 times tables KIRF T9 9 times tables KIRF T11 11 times tables KIRF T6 6 times tables KIRF T7 7 times tables KIRF T12 12 times tables		KIRF TIME 1 Read an analogue clock to the nearest five minutes KIRF TIME 2 Recall facts about duration of time	KIRF PV 1 Multiply 1, 2 and 3 digit numbers by 10 and 100 KIRF PV 2 Divide multiples of 10 by 10, and divide multiples of 100 by 100 e.g. $210 \div 10 = 21$ No decimals at this stage KIRF PV 3 Divide 1, 2 and 3 digit numbers by 10 and 100 KIRF PV 4 Multiply and divide any number by 10, 100 and 1000	Date	KIRF to develop
	KIRF NB 1 Know number bonds to 10 KIRF NB 2 Know number bonds to 20 KIRF NB 3 Know number bonds 100 KIRF NB 4 Know number bonds to 1 and 10 involving decimals	KIRF FFP 1 Know tenths as decimals (tenths) KIRF FFP 2 Know fifths as decimals (tenths) KIRF FFP 3 Know quarters and half as decimals KIRF FFP 4 Know 1/8s and thirds as decimals KIRF FFP 5 Know all facts from chart as fractions, decimals and percentages	Sept' 23	T3	
	KIRF Pn 1 Identify pairs of factors of a number; find all factors KIRF Pn 2 Recall square numbers up to 12 squared and their square roots KIRF Pn 3 Know the first 5 cube numbers and cube roots		Nov' 23	TIME 1	
			Dec' 23	T3 and T6	
			Feb' 24	PV 2	
			Feb' 24		

Example of how table in Communication Book might look by Feb'24

For ideas relating to your child's KIRFs to develop, please use:

<https://www.mathswithamouse.co.uk/mental-maths-with-a-mouse-kirfs>

For further information about Maths with a Mouse KIRFS, the following YouTube video explains in greater detail:

https://youtu.be/o3kXyoKiIGU?si=FfSW4_oz_h1bOJ6V

Hopefully, with your support and the engaging resources available to help learn the KIRFs, the pupils will be able to make even greater progress as mathematicians.

Yours sincerely,

Mr. W. Dunn, WLJS Maths Lead & Creator of Maths with a Mouse website