## Maths Challenges Summer Term 2019-2020 Week 9

Focus	<b>Challenge 1</b>	Challenge 2	Challenge 3
Measure		Look at labels from	. Fill a rear set
(capacity/	<ul> <li>Recap on the purpose of</li> </ul>	different	<ul> <li>Fill a range of empty bottles or</li> </ul>
volume)	different	bottles/cartons	cartons with water
and real	measuring	and identify and	and then work out
life	equipment. What	record the capacity	their capacity using
problems	do we measure using weighing	in ml /L (Ice-cream & toothpaste also	a measuring jug. Accurately record
	scales, jugs,	use these units)	as decimal totals
	rulers/tapes? What		(eg 1500ml =1.5L/
	units are needed	Compare the	150ml=0.15L)
	for each?	capacity of 2 items (eg a canned drink	Combine the totals
	Explore how many	and a carton of	of different
	'cups' of water will	milk). Calculate the	containers and
	fill different	'difference' (by	record as a
	containers in your	subtracting	calculation (eg 1.5L
	house	smallest from largest figure using	+200ml+ 0.3L=2L)
	<ul> <li>Find 3 food</li> </ul>	a calculator)	Recall facts about
	containers and put	,	capacity, ie
	them in order of	Combine given	250ml=0.25L,
	their written	totals-eg what is 750ml and 250ml	100ml=0.1L
	capacity from smallest to largest	altogether? Record	Count forward and
	(eg 35ml, 100ml,	this as a calculation	back in different
	500ml)		multiples, starting
		Recall facts about	at any given point
	<ul> <li>Use the scale on a measuring jug to</li> </ul>	capacity, ie 1000ml=1L/	(eg 105.5L, 105.75L, 106.0L)
	measure multiples	500ml=0.5L	103.732, 100.02,
	of 100ml (If scales		<ul> <li>Ask family</li> </ul>
	are hard to read,	<ul> <li>Count in multiples</li> </ul>	members to
	use a felt tip to mark 'x100ml or	of 100ml to	estimate the
	add food	2000ml/ 2L and beyond (eg 2.1L,	capacity of 5 (or more) containers
	colouring/juice)	2.2L)	found in your
			home and then
	Count in multiples	Ask a family	measure accurately
	of 100ml to 1000ml/1L and	member to hide the written	using the scale on a jug. Work out
	beyond (eg 1L	capacity on 3	which estimate is
	100ml IL 200ml)	bottles or cartons.	closest
		Can you estimate	
	<ul> <li>Investigate different ways of</li> </ul>	which holds most/least? How	Use a conversion  table/on-line ann
	making up 1000ml	many ml do you	table/on-line app to convert imperial
	(eg 300ml + 700ml)	think each holds?	and metric
		Check the actual	measures (eg
	Combine given	capacity using a	1pint=568ml)
	totals-eg what is 100ml and 200ml	measuring jug and then calculate the	
	altogether? Record	'difference'	
	this as a calculation		