Our Lady of Peace - Second Level Maths Activities

Countdown	Number of the Day	Decorating the house	Budget	Data Handling
One person writes down a two or three digit number. The other person writes down 4 numbers between 1 and 10 as well as three numbers which are multiples of 10, up to 100 e.g Total 437, Numbers, 4, 7, 9, 3, 20, 70, 50 Set a 2 minute timer and work out the total number by using the other numbers and any operations. The person closest to the number wins.	Write down a number with 4, 5 or 6 digits. Write down as many calculations as possible to get to that number.	Measure a room in your house. How much would a carpet cost if the price is £12.99 per sq metre (change amounts or carpet to wallpaper etc).	Give your child a budget and a price list for items. Do the shop for the week for the household. Did you go over budget? If so, by how much?	Create a questionnaire and gather data about the perfect night in for your family and/or friends. Consider the entertainment, the dinner, snacks and drinks. You could present the data in graph form.
Problem Solving	**Tell me all about it**	**Skip Counting**	**Place Value**	**Time, Distance, Speed**
Make up real life problems for some multiplication facts/addition and subtraction facts.	What are factors, multiples, multiplied by, difference between, fractions, divisible, sum of. Write or tell the	Count in 7s, 8s, 9s, 11s, 12s etc. What patterns do you notice. You may need to write down the numbers so you can see	Use playing cards. Take out 10, J, Q, K and Ace, Two players. Use numbers 2 to 9. Put out an A4 piece of paper	A car travels at 46mph and arrives at it's destination in 2 and ½ hours. How far has it travelled.

	explanation and give examples.	patterns emerging.	with 4 or 5 columns. Pick a card and put it in a column. The object of game is to make the highest number.	If a car has been on the road for 3 hours and has driven 180 miles. How many hours per mile was the car travelling?

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Probability	Mean, Median, Mode	Mean, Median and Mode	Fractions	Area/Perimiter
Jack has cans of soup which don't have labels. He knows that 3 cans are tomato, 4 cans are mushroom and 7 cans are chicken flavour. If he picks a can at random, what is the probability that the can chosen is not tomato?	This list shows the amounts spent by seven families on their holidays : £100, £400, £320, £300, £5430, £100, £350. Calculate the mean, mode, median and range of these amounts. Suggest which of the three averages is the most useful indicator of how much a typical family spends on their holiday.	A sports shop is offering a discount on a particular type of running shoe. The manager wants to look at the number of each size sold so far in order to predict how many will be sold in the next week. This should hopefully mean that all sizes are available in the shop. Here's the list of all sizes sold: 7, 8, 8, 8, 8, 9, 9, 10, 10, 11, 11, (a) Calculate the mean, mode, and median of the data. (b) Which of the three averages is most	There are 10 people that have to have 8 chocolate bars shared equally between them. How much do they each get?	Measure the perimeter of your bedroom and now calculate the area.

		useful to the manager?		