



ACTIVITY 5: MONEY IN THE BIN?



You now have a lot of the evidence and skills in converting weight to volume, and even cost. You now have one more important calculation to do – **how much has the Menace of Plastic Waste actually cost your school each year?**

To do this, use the number of bins in each category (which you found in Activity 1) and find out how many times these bins are emptied each year. Sometimes it is every week, other times it is every two weeks. You can then fill in a table like the one below – your teachers can help you to calculate the total cost for each bin, as well as how much your school spends on getting rid of waste in total each year! You could also try to work out how much your school spends on getting rid of each pupil's waste each year – there are lots of interesting ways to think about this!

	Bin Size	How Many Bins?	Times Emptied Each Year	Cost per Emptying	Total Cost
General Waste Bins	240 litre	3	40	£5.30	£636
	1100 litre	2	40	£19.00	£1520
Recycled Waste Bins	240 litre	4	40	£1.55	£248
	1100 litre	5	40	£6.20	£1240

Your teacher can tell you how much it costs to empty other sizes of bins if you have them in your school!

Once you've done this, you can report to your Principal on the amount of money spent on getting rid of waste per pupil, as well as how much waste was sent away, as well as how much of this was recycled – might you be able to help them save money?