



Can spreadsheets help me in everyday life?

Word	Definition
Statistic	A fact from numerical data
Conclusion	A judgement or decision reached through reasoning
Efficient	Achieving maximum productivity with minimum wasted time or effort
Inefficient	Failing to make best use of time, effort or resources

Is any number more likely than the others to be rolled?

How likely is it we will roll a 4?

Are we more likely to roll an odd or even number?

If you roll the sheet of dice 10 times, does 6 always land?



If I roll a six sided dice, I know I have a $1/6$ chance for each number. However, if I wanted to roll 5 six sided dice and check which number was rolled, it would be much harder and slower. What about 50 dice? What about 100? I can use spreadsheets to help me work this out because it can calculate things much quicker than a human.

	A	B	C	D	E	F	G	H
1	Ticket Seller	Jeff's Ticket Supplies	Super Tickets	Ticket Unicorns	We Will Rock You	Fresh Avocados		Most expensive
2	Original Price	£35.00	£37.50	£32.00	£35.35	£30.80		Super Tickets
3	Quantity	6	6	6	6	6		Ticket Unicorns
4	Booking Fee							We Will Rock You
5	Total Price	£210.00	£225.00	£192.00	£212.10	£184.80		Jeff's Ticket Supplies
6	Reduction	25%	10%	5%	20%	15%		Fresh Avocados
7	Price reduced by	£52.50	£22.50	£9.60	£42.42	£27.72		Cheapest
8	New Price	£157.50	£202.50	£182.40	£169.68	£157.08		

This is a spreadsheet that is tracking lots of different variables at the same time. What real life purpose do you think this is used for?

Item	Cost	Weekly Save		Weeks needed to save
Bike	£500.00	£5.00		100
Laptop	£800.00	£12.00		67
	Cost	Weeks to save		Amount per week
Bike	£500.00	52		£9.62
Laptop	£800.00	52		£15.38

Look at the two examples here. What is similar? What is different?

How can I use the spreadsheet to help me figure out the right choice to make? Which is more efficient for you? Why?