Agricultural advisor	Army officer
Children's nurse	Civil engineer
Operational researcher	Road manager

1 Medicines for children need doses that match a child's weight. These need calculating quickly yet accurately. I designed a simple spreadsheet for doing this calculation.	**2** To bring down a bridge you need to know how much explosive is needed. A 23 gram stick of plastic explosive will shatter about 6 millimetres of steel. I can calculate the amount of explosive required, depending on the thickness of the bridge.
3 We have a certain amount of sound equipment, and we have to get it to each of these different towns on the right day for the gig. I have to work out how to make this happen.	4 I have to work out how rainwater drains. When rain falls onto the earth, it doesn't just sit there. Most of it flows downhill as 'runoff'. I need to be able to calculate the runoff rates.
5 I have to measure the areas of plant beds and ensuring that we have right angles at their corners. I also work out the rates that seeds grow and the levels of fertiliser that should be applied to them.	**6** When we have a problem, we gather information about it and create a 'model' of it. For example, we wanted to improve the rate at which people pass through airport security. We used a spreadsheet to create a model of how this happens.