

YOU & MATHS **Julie's bank account** Julie opened a bank account on the 19th of May and she recorded her withdrawals and deposits, but she did not check her account for a week and received a notice on the 27th of May from the bank saying she had overdrawn her account.

Date	Purpose	Payment	Deposit
May 19 th	Initial deposit		\$100
May 24 th	Hair cut	\$45	
May 24 th	Book shop	\$73	
May 26 th	Sushi dinner	\$24	

- When did Julie overdraw her account?
- How much does Julie need to deposit to reach a positive balance again?

- Julie overdrawed her account when she paid the bookshop on the 24th of May, because at that point her account contained $\$100 - \$45 - \$73 = -\18 . A negative amount of money in this case means that Julie has overdrawn her account.
- Since Julie already had a debt of \$18 after she paid the bookshop, when she paid for the sushi dinner her debt rose to $\$18 + \$24 = \$42$, so she must deposit just more than \$42 to reach a positive balance again.