

# Number Nest Weekly Challenge

1. Tom is saving money for a new computer game. He currently has £15.50 in his savings. He saves £13 per week from his allowance, but he spends £4.90 of this on sweets every Saturday. How many weeks will it take him to save up for the computer game which costs £89.99?
2. Tom uses the money he had left over from buying his computer game to buy some sweets. How many packets of sweets could he buy for 92p?
3. In October it is Tom's birthday. He held a party and seventeen guests attended. Each person gave some money to Tom for his birthday. His brother gave £20 whilst his best friend gave £110. How much money would every other guest (on average) need to have given, for Tom to have enough money to buy the latest iPhone which cost £925?
4. Tom buys his new iPhone on 17th October. On the 14th November, he dropped it and had to pay £99.99 for a new screen. After this, he decided to take out some insurance, so that he didn't have to pay again if it broke. He found two companies that offer insurance. Lovephones insurance offered an annual one-off payment of £96, whereas Cover Me insurance offered monthly payments of £7.99.
  - a) Which insurance company offered the cheapest cover for a year?
  - b) How much cheaper is this cover than the cost of a new screen?
  - c) Lovephone introduced a deal for new customers which included a 5% discount for signing up. Which company was better value now? How much cheaper was it?



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