

Reasoning and Enquiry Problems – Set 2



5. A fox broke into a henhouse and killed half of the chickens. It then took another one and left. A mink then slunk in and killed half of the remaining flock, leaving 6 terrified chickens. How many chickens were there before the break in ?



6. Dave won on the National Lottery and collected his winnings on Thursday morning. His wife took half of the money, then his son asked to borrow half of what was left. His daughter then appeared, and borrowed half of what was left. Dave then topped up his mobile with half of his remaining cash and was disappointed to find that he was now left with only £5. How much had he won ?



7. A car dealership is trying to shift a car from its forecourt and put it on offer at 10% off the marked price. Then it is offered at 20% off the first sale price. Finally, it is offered for 25% off the second sale price and is bought for £3240.

What was the original marked price of the car ?

8. In a group of students, 12 are taking Chemistry, 10 are taking Physics, 3 are taking both Chemistry and Physics and 5 are taking neither.

How many students are there in the group ?

