

Subject n°13

SIMULTANEOUS EQUATION and SEQUENCES

Please don't write on the exam paper and don't forget to give back the examination paper at the end of the test.

Exercise 1

The drama club is selling gift baskets to raise money for new costumes. In the Christmas play, they sold a combined 20 regular gift baskets and 26 deluxe gift baskets, earning a total of £1,106. In the spring musical, they sold 20 regular gift baskets and 14 deluxe gift baskets, earning a total of £734.

How much are they charging for the different sized gift baskets?

Exercise 2

William just drank a cup of coffee to help him stay awake. The coffee had 110 milligrams of caffeine in it. If his body processes 10% of the remaining caffeine every hour, how much will be left in nine hours?