

Please do not write on this exam paper and do not forget to give it back at the end of the test

Subject 26 – ARITHMETIC

Ex1

There are thirty 20p coins in a row.
I replace every second coin with a 50p coin.
Next, I replace every third coin with a £1 coin.
Finally, I replace every fourth coin with a £2 coin.
What is now the value of the thirty coins?

Ex2 (MCQ): Choose the right answer.

If $p = 4b + 26$ and b is a positive integer, then p could **not** be divisible by:
(A) 2 (B) 4 (C) 5 (D) 6 (E) 7

Ex3

In how many ways can the numbers 1, 2, 3, 4, 5, 6 be arranged in a row so that the product of any two adjacent numbers is even?