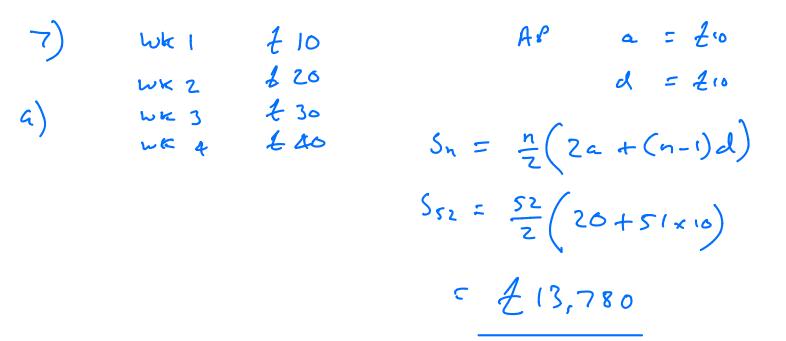
Exercise 3I

 $\boldsymbol{\zeta}$

Modelling With Series



b) Fron 1st year earnings Weekly pagment = a + (n-1)d = 10 + 51x 10 = 2520 Fron 2nd year earnings Weekly pagment of 211 + 211 = 222 2520 + 222 = 2540

> From second year earnings $a = \pm 11$ $S_n = \frac{n}{2}(2a + (a - 1)d)$ $d = \pm 11$ $S_{52} = \frac{52}{2}(22 + 51 \times 11) = \pm 15158$ $+ 1st year = \pm 525 \times 52 = \pm 27040$ ± 42198

Homework Erercise 3I Q8,9,16