

3 Sam invested in a shares scheme. The value, $\pounds V$, of Sam's shares was reported t months after investment.

- Exactly 6 months after investment, the value of Sam's shares was $\pounds 2375$.
- Exactly 1 year after investment, the value of Sam's shares was $\pounds 2825$.

(a) Using a straight-line model, determine an equation for V in terms of t . **[3]**

Sam's original investment in the scheme was $\pounds 1900$.

(b) Explain whether or not this fact supports the use of the straight-line model in part **(a)**. **[2]**