

Exercise 1

Calc. : ✖

A town's population is growing linearly. In 2018 the population was 5 000. By 2020 the population had increased to 7 400.

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| 1. Give the function $P(t)$ where P is the population and t is the number of years since 2018. | 3 marks |
| 2. Use your function $P(t)$ to predict the population in 2025. | 2 marks |
| 3. According to this model in which year will the population reach 19 400? | 2 marks |