

Practice Task 2

A survey of 1000 females showed that the number of smokers increased by 8% over two years. In the original survey, the number of smokers was 238. What was the number of smokers after 2 years?

Step 1. Find 8% of 238

$$1\% \left(\frac{1}{100}\right) \times 238 = 2.38$$

$$8 \times 2.38 = 19.04 \text{ (rounded down this is 19 people)}$$

Step 2. Add 19 to 238

$$238 + 19 = \mathbf{257} \text{ people}$$