**TRY IT OUT**

Look for a pattern to solve these problems.

1. Sigfried raises chickens for sale. He sold 2 chickens the first month, 5 chickens the second month, 8 the third, and so on. In this pattern, how many did he sell the sixth month?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| month | 1 | 2 | 3 | 4 | 5 | 6 |
| chickens | 2 | 5 | 8 | ? | ? | ? |

How many chickens did Sigfried sell the first month? the second month? the third month?

Copy and complete the table to solve the problem.

2. When the alchemist first opened his shop, he had to sort his potions into bins. The first day he sorted 2 boxes, the second day 4, the third day 8, the fourth day 16, and so on. How many boxes did he sort the sixth day?

3. Potions sell for 15 pence in bin 1, 20 pence in bin 2, 25 pence in bin 3, and so on. How much would a potion in bin 7 cost?