1) Juan was gifted a piggy bank for his birthday. He saves up $15 from his allowance in April, $23 in May, $31 in June and so on. How much will Juan's piggy bank contain at the end of 12 months?

2) A summer camp received 17 registrations on day one. The registrations increased day by day at an arithmetic progression. The enrollment process closed with 42 registrations on the last day. If the organizers garnered a total of 177 registrations, how many days did the enrollment process last?

3) A farmer planted 324 saplings in the shape of an isosceles triangle. The base of the triangle contains 35 saplings. If each successive row above holds two saplings less than the previous row, how many rows of saplings were planted in all?

4) Ken joined a company as a management trainee and was offered an annual salary of $36455. He was promised a raise of $1280 every successive year. What would Ken's total earnings amount to in 4 years' time?

5) Luke stacks 7 rows of firewood on old pallets to make provision for winter. The bottom row contains 18 logs and the top row holds 6 logs. If the logs of wood are arranged in an arithmetic progression from bottom to the top, how many logs of wood can be found in the entire pile?
1) Juan was gifted a piggy bank for his birthday. He saves up $15 from his allowance in April, $23 in May, $31 in June and so on. How much will Juan's piggy bank contain at the end of 12 months?

$708

2) A summer camp received 17 registrations on day one. The registrations increased day by day at an arithmetic progression. The enrollment process closed with 42 registrations on the final day and the total was 177 registrations. How many days did the enrollment process last?

6 days

3) A farmer planted 324 saplings in the shape of an isosceles triangle. The base of the triangle contains 35 saplings. If each successive row above holds two saplings less than the previous row, how many rows of saplings were planted in all?

18 rows

4) Ken joined a company as a management trainee and was offered an annual salary of $36455. He was promised a raise of $1280 every successive year. What would Ken's total earnings amount to in 4 years' time?

$153500

5) Luke stacks 7 rows of firewood on old pallets to make provision for winter. The bottom row contains 18 logs and the top row holds 6 logs. If the logs of wood are arranged in an arithmetic progression from bottom to the top, how many logs of wood can be found in the entire pile?

84 logs of wood in all