

- 10 (a)** An arithmetic sequence has 300 terms.
The first term of the sequence is -7 and the last term is 32
Find the sum of the 300 terms.

[2 marks]

- 10 (b)** A school holds a raffle at its summer fair.
There are nine prizes.
The total value of the prizes is £1260
The values of the prizes form an arithmetic sequence.
The top prize has the highest value, and the bottom prize has the least value.
The value of the top prize is six times the value of the bottom prize.
Find the value of the top prize.

[4 marks]