



- (b) The  $n$ th term of a progression is  $p + qn$ , where  $p$  and  $q$  are constants, and  $S_n$  is the sum of the first  $n$  terms.

(i) Find an expression, in terms of  $p$ ,  $q$  and  $n$ , for  $S_n$ . [3]

[illegible]

**(ii)** Given that  $S_4 = 40$  and  $S_6 = 72$ , find the values of  $p$  and  $q$ . [2]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and extend across the entire width of the page. There is no text or other markings on the paper.