SECTION B
This section has two parts I and II
Part I
Answer one item from this part.

ITEM 3

A mathematics teacher in a certain school in Uganda found out that S.4 students in his school were taking too long to answer statistics and probability questions in every mathematics examination. He asked students to form a two-digit number from the first four prime numbers in the first five minutes and then asked them to answer a statistics question and he recorded how long it took each student.

Below is the time in minutes the teacher recorded.

35	31	32	39	35	26	31	32	29	35	31
32	39	34	29	39	27	39	39	26	29	39
34	32	35	39	32	32	26	36	35	34	

a) If each number formed from the first four prime numbers can be used only once, calculate the probability that a number chosen from the digit number is an even number.

2   Turnover

b) Determine whether the learners took longer or shorter time to answer the statistic question.

c) The statistics question is worth 15% of the total marks in a three-hour mathematics paper

(i) How long should each student spend on this statistics question.

(ii) What is the percentage of students who were spending too long on the statistics question.

(iii) How many students spend the longest and shortest time.

d) Represent the information on a statistical graph and use it to obtain the inter-quar tile range.