County Council of Durham.

EDUCATION COMMITTEE.

ADMISSION OF PUPILS TO GRAMMAR SCHOOLS, 1951.

ARITHMETIC (Total Marks 100).

TUESDAY, 30TH JANUARY, 1951, 9.30 a.m. to 10.15 a.m.

Write your EXAMINATION NUMBER (not your name) and the name of your school at the top right hand corner of every sheet of paper used. You may attempt all the seven questions, and answer them in any order. Place the number of the question in the margin and leave a space after each answer.

No scrap paper may be used. To obtain full marks you must show all your working on your answer paper.

1. (a) Find the sum of the following numbers—
   87, 364, 1428, 79   (5 marks)
   (b) Multiply 284 by 7   (5 marks)
   (c) How many half-pints are there in 3 gallons ?   (5 marks)
   (d) Find the value of $\frac{1}{3} + \frac{5}{6}$ (5 marks)
   (e) How much heavier is a man of 13 stones 3 lbs than a boy of 6 stones 5 lbs.   (5 marks)

2. Amongst an audience of 3,000 people, were 1,897 men, 390 women and 257 boys ; how many girls were there ?   (10 marks)

3. What sum must be added to £37 19s. 11d. to equal 10,000 pence ?   (10 marks)

4. How many pieces of cloth each 5 yds. 2 ft. long can be cut from a roll of length 84 yds., and how much is left over ?   (10 marks)

5. Two men set off from the same spot at 10 a.m. and walk in exactly opposite directions, one man going at the rate of 4 miles an hour and the other at the rate of $3\frac{1}{2}$ miles an hour. How far apart will they be at 2.10 p.m. ?
   (Answer in miles and furlongs)   (15 marks)

6. At an entertainment where the price of admission was one shilling a number of people paid 6d. extra for reserved seats. The total amount taken was £10 8s. 6d. and 185 persons were present. How many were in the reserved seats ?   (15 marks)

7. A garden is 27 yds. long and 25 yds. wide. Another garden has exactly the same area but is only 15 yds. wide. What is its length ?
   Each garden is surrounded by a wire fence with three lines of wire. Assuming there is no overlap or wastage of wire what is the difference in the lengths of wire required for fencing the two gardens ?   (15 marks)