County Council of Durham

EDUCATION COMMITTEE.

ADMISSION OF PUPILS TO GRAMMAR SCHOOLS, 1949.

ARITHMETIC (Total Marks 100).

TUESDAY, 15TH FEBRUARY, 1949, 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*) Write down these numbers and find their sum

$$203$$
$$769$$
$$856$$
$$98$$

(5 marks).

(*b*) Divide 536 by 6. (5 marks).

(*c*) $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$. (5 marks).

(*d*) $1.075 - 0.75$. (5 marks).

2. From the product of 367 and 28 subtract 7839 (10 marks).

3. What is the cost of 56 tons of coal at £2 19s. 9d. a ton ? (10 marks).

4. A family uses 3 pints of milk every day. If it costs 3s. 4d. a gallon find the total cost of their milk for the two months March and April. (15 marks).

5. An empty truck weighs 5 tons 11 cwts. and it will carry 20 tons 6 cwts. 1 qr. of coal. What is the total weight of 10 trucks of which 8 are full of coal and 2 are empty ? (15 marks).

6. In a school of 245 children there are 35 more boys than girls. What is the attendance on a day when all the girls are present and one tenth of the boys are absent ? (15 marks).

7. A rectangular garden 30 yards long and 20 yards wide is bounded by a close boarded fence 6 feet high, except along one of the shorter sides which is closed by a hedge. The fence is formed of boards 6 feet long and 6 inches wide costing $4\frac{1}{2}$d. per foot. How many boards are required and how much would they cost ? (15 marks).