County Council of Durham.

EDUCATION COMMITTEE

ADMISSION OF PUPILS TO GRAMMAR SCHOOLS, 1953

ARITHMETIC (Total Marks 100)

TUESDAY, 10TH FEBRUARY, 1953, 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 six 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 392, 4605, 87   (5 marks)
   (b) Divide 2223 by 9   (5 marks)
   (c) Multiply 37 by 68   (5 marks)
   (d) How many $\frac{1}{3}$ pint bottles can be filled from 2 gallons of milk ?   (5 marks)
   (e) Give the value of $\frac{1}{2} + \frac{1}{3} - \frac{1}{6}$ (5 marks)

2. (a) A dress cost $12\frac{1}{2}$ guineas. How much is this in £. s. d.?   (5 marks)

   (b) What is the cost of 34 buns at 8 for one shilling ?   (5 marks)

   (c) Share £2 10s. 0d. between Jack and Bob so that Jack gets 4/- more than Bob   (5 marks)

   (d) How much will 3 cwt. of coal cost if one ton costs £4 5s. 0d.?   (5 marks)

   (e) A square cloth is 36 square feet in area. What is the total distance around it ?   (5 marks)

3. A park opens at **7.30** a.m. and closes $\frac{1}{2}$ hour before sunset. Some children went in at **9.15** a.m. and stayed until 2 hours before closing time. If sunset that day was at **7.45** p.m. how long were the children in the park ? (10 marks)

4. Tom gave $\frac{1}{8}$ of his marbles to Jack and then an extra two over for luck. If he had 145 marbles left, how many had he at first ? (10 marks)

5. The four legs and two of the pieces of a chair back are made from the same timber. The legs are each 1 foot 2 inches long and the two back pieces are each 1 foot 11 inches long. What is the total length of timber required to supply 75 chairs with these parts ? (15 marks)

6. One ton of biscuits is packed into quarter-pound and half-pound packets. One quarter of the quantity is put into half-pounds and the remainder into quarter-pounds.

    Find (*a*) the total number of packets.

            (*b*) the value of all the biscuits at $6\frac{1}{2}$d. per quarter-pound packet and one shilling per half-pound packet (15 marks)