

# County Council of Durham.

## EDUCATION COMMITTEE.

ADMISSION OF PUPILS TO SECONDARY SCHOOLS, 1945.

### QUALIFYING EXAMINATION.

ARITHMETIC (TOTAL MARKS 100.)

THURSDAY, 15TH FEBRUARY, 1945. 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 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. Add together 3 score and 12,  $8\frac{1}{2}$  dozens, 3 gross, eight hundred and eighty eight, one thousand and ten. (16 marks).
2. The total takings for a week (6 days) in a business were £3,421 16s. 8d. The total amount taken on Tuesday, Wednesday, Thursday and Friday was £1,987 17s. 11d. The amount taken on Saturday was the same as that taken on Monday. How much was taken on Saturday? (16 marks).
3. Morning school is usually from 9 a.m. to 12 noon, and afternoon school from 1.30 p.m. to 4 p.m. If 40 minutes are allowed each day for Scripture (including the marking of registers) and 15 minutes each morning and 10 minutes each afternoon for recreation, what is the total time left each week of 5 school days for lessons other than Scripture (including the marking of registers)? (16 marks).
4. A school is supplied usually with 112 bottles of milk, each containing one-third of a pint, each day. On Monday 8 were not used; on Tuesday 14 were not used, and on Wednesday there were 9 bottles short. How much money should be collected at the end of the week of 5 school days if each bottle used is sold to the children at  $\frac{1}{3}$ d. each? (16 marks).
5. A motor car will run 32 miles on a gallon of petrol. If there were 64 gallons of petrol in the tank at the beginning of a journey and 15 pints at the end of the journey, what was the length of the journey? (18 marks).
6. If I buy some buns at the rate of 7 for 6d. and sell them at 1s. 6d. per dozen, what shall I gain by buying and selling 168 buns? (18 marks).