

County Council of Durham.

EDUCATION COMMITTEE.

ADMISSION OF PUPILS TO GRAMMAR SCHOOLS, 1950.

ARITHMETIC (Total Marks 100).

TUESDAY, 7TH FEBRUARY, 1950, 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—
307, 558, 294, 3565 (5 marks)

(b) What is the difference between these two numbers?
four thousand seven hundred and eighty three;
eight hundred and fifty six. (5 marks)

(c) Divide £391 4s. 0d. by 9. (5 marks)

(d) Arrange these fractions in order of size commencing
with the smallest.
 $\cdot 5$, $\frac{3}{4}$, $\cdot 25$, $\frac{1}{3}$. (5 marks)

2. Add the following and multiply the answer by 7.

tons	cwts.	qrs.
25	13	3
7	12	2

(10 marks)

3. A motorist travels 9415 miles in a year. If his car travels 35 miles on 1 gallon of petrol, how many gallons does he use in a year? (10 marks)

4. A milk dealer collects a 10-gallon can full of milk. He supplies a school with sufficient milk to give each of the 49 pupils one-third of a pint. He then leaves sufficient milk at a second school to supply each of the 119 pupils with one-third of a pint. How many pint bottles can he fill with the milk remaining in the can assuming that there has been no waste? (15 marks)

5. This is a bill and is complete except for the third item. How many pounds of beans were bought and what was paid for them?

	£	s.	d.
$2\frac{1}{2}$ lbs. of tea at 4/6 per pound		11	3
2 lbs of currants at 1/- per pound		2	0
lbs of beans at 10d. per pound		—	—
$2\frac{1}{4}$ lbs of cheese at 1/2 per pound		2	$7\frac{1}{2}$
1 lb of tongue at 5/- per pound		5	0

1 4 7 $\frac{1}{2}$ (15 marks)

6. A man has 24 hens. Each hen lays on the average 1 egg every two days during the months of March, April, May and June. If the eggs are sold at 4d. each and the cost of keeping all the hens is 1 shilling a day, find the total profit made during the 4 months. (15 marks)

7. A rectangular garden plot is surrounded by a path 3 feet wide. The full size of the garden, including the path is 30 yards by 15 yards. How many thin tiles, each 9 inches long, would be required to line the inside edges of the path, and what would they cost at 16/8d. per 100 tiles? (15 marks)