

County Council of Durham.

EDUCATION COMMITTEE.

ADMISSION OF PUPILS TO GRAMMAR SCHOOLS, 1947.

QUALIFYING EXAMINATION.

ARITHMETIC (TOTAL MARKS 100).

TUESDAY, 11TH FEBRUARY, 1947. 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) Add these numbers
- | |
|-------|
| 847 |
| 3,775 |
| 66 |
| 508 |
| ----- |
| |
| ----- |
- (5 marks).
- (b) Multiply 753 by 38. (5 marks).
2. Take One hundred and seven from Seven hundred and one, and divide the remainder by seven. (12 marks).
3. What amount should a shopkeeper pay for 72 cycles at £6 13s. 7d. each? (14 marks).
4. A milkman buys milk at 1s. 8d. per gallon and sells it at 7d. per quart. How much profit will he make in the month of March if he sells 17 gallons 3 quarts 1 pint daily? (16 marks).
5. At the sports a boy runs 93 yards in the sprint, 205 yards in the circuit race, 130 yards in the potato race, and 280 yards while jumping.
- (a) What was the total distance covered?
(b) How much is this short of a mile?
Give both answers in furlongs, chains, yards. (16 marks).
6. A quantity of sugar weighing 35-cwts. is packed in boxes each containing 40 lbs. Each box weighs 5-lbs. Find the total weight of boxes and sugar in cwts and lbs. (16 marks).
7. A motorist starts at 10.5 a.m. for a town 106 miles away and travels at 30 miles per hour. After travelling 10 miles he discovers that he has no money. He returns home for his wallet and after 5 minutes starts again travelling at the same speed. A puncture delays him for 25 minutes and he halts an hour and a quarter for lunch. At what time does he reach his destination? (16 marks).