

1963

SECTION A — 100 marks

1. Simplify : $£8\frac{5}{8} \times 3\frac{3}{8} - 7\frac{1}{2}\%$ of $£397$.
2. Divide 139 miles, 3 furlongs, 25 perches by $8\frac{1}{3}$.
3. Reduce 588 tons 15 cwt. by 11%.
4. Find, to the nearest penny, the cost of 13 kilograms at 5.83 francs per kilogram, if $£1 = 13.75$ francs.

SECTION B — 100 marks

5. It costs $£55$ to cover the floor of a rectangular room, 13 ft. 9 ins. long and 11 ft. 3 ins. broad, with carpet 27 ins. wide. Find the cost of the carpet per yard.
6. A shopkeeper makes 26% profit by selling sugar at 9d. per pound. How much per cent profit would he make by selling it at $£80$ per ton?
7. A sum of money was invested to earn simple interest. At the end of 7 years it amounted to $£699$ 11s. 3d., and at the end of 10 years it amounted to $£774$ 7s. 6d. Find the rate per cent per annum.

8. A certain alloy is composed of zinc, tin, and lead. The weight of the zinc is $\frac{3}{8}$ that of the tin, and the weight of the tin is $\frac{7}{8}$ that of the lead. Find in pounds the weight of the tin in 1 cwt. of the alloy.