

1957

SECTION A

1. When a sum of money is reduced by $37\frac{1}{2}\%$ £2 13s. $11\frac{1}{2}$ d. is left. Find the sum of money.

2. How much is

$$\frac{0.165 \times .06}{0.01 + 0.0098} \text{ of } \frac{2\frac{1}{7} - \frac{5}{18} \times 1\frac{1}{7}}{1 \div 2\frac{4}{5} - \frac{1}{7}} ?$$

3. Find in tons, correct to the nearest ton, the weight of wheat which is got from a field containing 9 acres 3 roods 16 sq. perches, if one acre yields $20\frac{1}{2}$ barrels, (1 barrel of wheat weighs 20 stone.)

4. How much more would it cost to borrow £1,350 for 12 years at $5\frac{1}{2}\%$ than at $3\frac{3}{4}\%$, simple interest?

5. Find, correct to the nearest 6d., the cost of the petrol required for 59,500 miles, allowing one gallon for 35 miles at 3s. $11\frac{1}{2}$ d. per gallon.

SECTION B

6. It costs £90 11s. 4d. to grow an acre of potatoes, and the crop weighs 9 tons 5 cwt. 1 qr. Two-thirds of the potatoes are sold at 2s. a stone. At how much per stone should the remainder be sold to give a profit of 50% on the whole crop? [30 marks.]

7. How many times is it possible to take 5.73 pints from a vessel containing 40.18 gallons? What percentage of a gallon is left? [30 marks.]

8. Of a certain sum, A got $\frac{a}{b}$, B got $\frac{b}{a}$, and C got the remainder. If A's share was £2 8s. more than C's, find how much each received. [30 marks.]

9. A motor car was sold for £330 at a loss of $8\frac{1}{4}\%$. What would have been the loss or gain % if it had been sold for £420? [35 marks.]

10. A room is 18' 3" long, 15' 6" wide, and 9' 9" high. The walls were painted. One pound of paint covered $3\frac{1}{4}$ sq. yds. How much paint was required, and how much did it cost at 4s. per 2-lb. tin? (The paint is sold only in 2-lb. tins.) [35 marks.]