AN ROINN OIDEACHAIS

(Department of Education).

INTERMEDIATE CERTIFICATE EXAMINATION, 1955

ELEMENTARY MATHEMATICS (Arithmetic).

FOR GIRLS ONLY.

TUESDAY, 7th JUNE.—Morning, 10 to 12.

All questions to be answered.
All questions carry equal marks.

1. Find the cost of
   - (a) $2\frac{1}{2}$ lbs. of butter at 3s. 10d. per lb. ;
   - (b) $1\frac{1}{2}$ stone of potatoes at 16s. 8d. per cwt. ;
   - (c) 3 ozs. of pepper at 17s. 4d. per lb. ;
   - (d) $\frac{1}{2}$ gallon of milk at $5\frac{1}{2}$d. per pint.

Find, also, the total cost of the items.

2. Simplify :

   (a) $$\frac{2\frac{3}{4}+4\frac{1}{8}}{4\frac{7}{8}-1\frac{2}{3}};$$

   (b) $$\frac{1\cdot05\times7\cdot5}{6\cdot3}.$$

3. Find the simple interest on £124 for three years at $2\frac{1}{2}\%$ per annum.

4. £91 10s. 6d. is divided between three girls. The first receives twice as much as the second and the second receives twice as much as the third. How much does each girl receive ?

5. (a) An article which cost £7 10s. was sold at a profit of $12\frac{1}{2}\%$. Find the selling price.

   (b) An article which cost £3 12s. was sold for £4. Find the percentage profit made on the transaction.

   (c) An article was sold for £2 5s. at a loss of 10%. Find the cost price of the article.

6. A circular pond of diameter 15 feet is surrounded by a path three feet wide. Find the area of the path in square feet, correct to the nearest square foot.
   Find also the cost, correct to the nearest penny, of re-surfacing the path at 1s. 10d. per square foot.