# AN ROINN OIDEACHAIS
### (Department of Education).

## BRAINNSE AN MHEADHON-OIDEACHAIS
### (Secondary Education Branch).

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### INTERMEDIATE CERTIFICATE EXAMINATION, 1935.

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## ELEMENTARY MATHEMATICS (Arithmetic).
## FOR GIRLS ONLY.

*MONDAY,* 17th *JUNE.*—Morning, 10 a.m. to 12 noon.

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*Six* questions may be answered.

Mathematical Tables may be obtained from the Superintendent.

1. Multiply £6,709 18s. 4d. by, (i) 71, (ii) 6¾.

[16 marks.]

2. The total surface of a rectangular brick is 113½ square inches. The length is 6½ inches and the breadth is 4½ inches. Find the depth and the volume.

[16 marks.]

3. The cost of linoleum for a rectangular floor 17 feet long and 13 feet wide is £4 2s. 10½d. What would be the cost of linoleum for a floor 19½ feet long and 16 feet wide at the same rate ?

[16 marks.]

4. A shopkeeper bought 74 yards of cloth at 7s. 2½d. per yard. At what price per yard must he sell it so as to gain £2 9s. 4d. altogether? What percentage profit would he have ?

[16 marks.]

5. Find the cost of 19 tons 3 cwt. 2 qrs. at £3 18s. 4d. per ton.

[16 marks.]

6. Out of a certain sum of money, A got ⅖, B got ⅝ and C the remainder. If A's share was £2 8s. more than C's, find how much each of them received.

[17 marks.]

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7. The area of a square plot of ground is one-tenth of an acre Find, to the nearest yard, the length of the diagonal.

[17 marks.]

8. Find the simple interest on £4,328 for 6 months at $2\frac{1}{2}\%$ per annum If income tax at the rate of 2s. 3d. in the £1 has to be paid on the interest, how much would be left ?

[17 marks.]

9. Find the total cost of the following items :—

| | | |
|---|---|---|
| 4 pairs of blankets | at 37s. | 6d. per pair. |
| 6 pairs of sheets | at 18s. | 11d. per pair. |
| 3 quilts | at 27s. | 6d. each. |
| 6 pillows | at 3s. | 8d. each. |
| 6 towels | at 2s. | $3\frac{1}{2}$d. each. |
| 6 towels | at 3s. | $4\frac{1}{2}$d. each. |
| 8 pairs of curtains | at 16s. | 6d. per pair. |
| 8 window blinds | at 9s. | 6d. each. |

When discount is allowed the total amount payable is £29 14s. 9d. Find the percentage discount allowed.

[17 marks.]