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## QUEEN'S <u>COLLEGE</u>, CORK. AGRICULTURAL SCHOLARSHIPS OF FIRST YEAR ARITHMETIC AND MENSURATION

1. If 290 sheep cost £338 6s. 8d., what will be the price of a score at the same rate?

2. An estate produces £840 per annum, and the land tax payable thereon is 3s. 6d. in the pound; find the clear annual value of the estate, supposing that there is no other deduction than the above?

3. Required the price of 3 tons 12 cwts. 2 qrs, when 5 cwts. 20 lbs. are purchased for £4 7s.  $9\frac{1}{2}d$ .

4. A person sells, for 6s.  $10\frac{1}{2}d$ ., an article which he purchased for 6s.  $1\frac{1}{4}d$ ; find the gain, per cent.

5. Reduce to its lowest terms the fraction  $\frac{19527}{23667}$ .

7. Express the value of  $\cdot$ 784529 of an acre in roods, perches, and square yards.

8. Find the side of a square whose area is  $156\frac{1}{4}$  square yards.

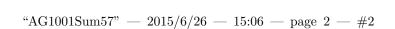
9. Find in acres, roods, and perches, the area of a triangular field, whose sides are 2,600, 2,400, and 1,000 links, respectively.

10. If an imperial gallon contain 277,274 inches, how many gallons will be contained in a cistern whose length is 9 feet 6 inches, and depth 2 feet 9 inches?

11. The area of a circle is 3.1316 square feet; find the length of its circumference.

GEORGE BOOLE, Professor.

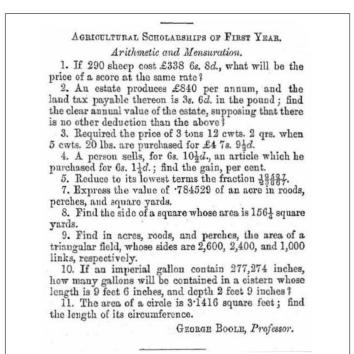
President's Report, 1856-57, p.27



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From the Digitisation of Parliamentary Papers relating to Ireland (EPPI) at the University of Southampton: Approximately 15,000 Parliamentary Papers from the period 1801 to 1922.



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