

THE LIVERPOOL INSTITUTE

Margaret Bryce Smith Scholarships, 1961

ARITHMETIC

SECTION A

Time allowed: 30 minutes

1. Multiply 892 by 709.
2. How many quarters are there in 35 tons 5 cwt. 3 qr.?
3. Divide £1,158. 1s. by 57.
4. Simplify $0.7001 + 5.695 - 2.9765$.
5. (a) Multiply 27.03 by 1.0502.
(b) Divide 25.025 by 0.035.
6. (a) What fraction of 1yd. 1ft. is 2ft. 6in.?
(b) What fraction of 6 gallons is 1 quart 1 pint?
7. Find the cost of $2\frac{5}{8}$ yd. Of material at 23s. a yard.
8. Simplify
(a) $3\frac{2}{7} \div 9\frac{1}{5} \times 4\frac{16}{17}$.
(b) $4\frac{3}{28} - \frac{3}{7} + 2\frac{5}{21}$.
9. A picture 2ft. 6in. by 1ft. 10in. has a border 4in. wide all round it. What is the area of the border?
10. A train goes $22\frac{1}{2}$ miles in 27 minutes. What is its speed in miles per hour?