

EXAMINATION PAPERS

Arithmetic.

1. Multiply 81040100 by 500100.
2. Divide 3.65 by .00073, and 4.05 by 36000.
4. Find the L. C. M. of 136, 51, 48, 85, 15 and 340.
6. Add together 13.0472, .005, 823.12 and .8, and subtract the result from 1000.
7. Divide $\frac{2\frac{1}{2} \text{ of } 3\frac{1}{4} - 3\frac{1}{4}}{2\frac{1}{2} \text{ of } (3\frac{1}{4} - 3\frac{1}{4})}$ by $1\frac{1}{4}$
8. Goods cost \$17.50 per cwt. and pay duties of 20 per cent and $1\frac{1}{2}$ cents per pound. At what price per ton must they sell to clear 25 per cent profit on the outlay?
9. Find by Practice the cost of 12 tons, 13 cwt, 3 qr, 22lb (English measure) at £14 per cwt.
10. The exchange being £1 = \$4.86 $\frac{1}{2}$, find the returns in Canadian money for a debt of £180 17s 6d, cost of collection being 10 per cent.
11. Find the difference between the Simple and Compound Interest on \$8375. in 3 y'rs @ 5 per cent.
12. Define Present Worth, True Discount, and Banker's Discount. What is meant by a Bill? Prove that the difference between True and Banker's Discount is equal to the Simple Interest on the True Discount.
13. Find the Present Worth of a bill of \$124.90 due in 7 months at 7 per cent.
14. A room is 32 ft. long and 24 ft. wide, with a bay window 12 by 6 ft. and hearth 6 by 2 ft. Find (i) how many square yards of linoleum and (ii) how many yards of carpet 2 ft. 3 inches wide it will take to cover the floor.
15. Find the square root of 952771689, and of .1 to 4 places.
16. Multiply 26 ac. 3 rd. 31 pol. $26\frac{1}{2}$ yds. by $12\frac{1}{2}$.