1. Define five of the following: Arabic notation, minuend, prime number, decimal fraction, board foot, liter, par value.

2. Simplify $\frac{\frac{9}{4} + \frac{25}{4} + \frac{5}{4}}{3 \times \frac{1}{3}} - \frac{1}{6} \times 6\frac{1}{4}$

3. A meter is 39.37 inches long; find the length in rods of a kilometer.

4. A grocer sold tea for $8\frac{1}{4}$ a pound, thus gaining $12\frac{1}{4}$ a pound; find his per cent of gain.

5. Find the simple interest of $634.00 at $4\frac{1}{2}$% from November 29, 1902 till today.

6. An agent buys 2000 bushels of grain @ $91\frac{1}{2}$ a bushel; would it be better for the agent to charge a commission of $4\frac{1}{4}$% or of 4% a bushel? Find the difference between the two commissions.

7. A note for $384, without interest, dated June 30, 1905 and due today, was discounted at 6% July 31, 1905; find the proceeds of the note.

8. Find the cost, @ $16.50 per M, of 8 pieces of timber each 24' long and 8'x10'.

9. Write the note mentioned in question 7, making it payable to yourself.

10. A certain army lost in one battle $\frac{2}{7}$ of its men and in another battle $\frac{1}{3}$ of the remainder, after which there were 16456 men left; find the number of men in the original army.

11. How much better rate of income will be received from an investment in $6\frac{1}{2}$% stock at $137\frac{1}{2}$ than in $4\frac{1}{2}$% stock at $109\frac{1}{2}$, brokerage in each case being $\frac{1}{4}$%?

12. A house valued at $3216 was insured for $\frac{1}{4}$ its value at $\frac{4}{3}$%; what annual premium was paid?