Answer to questions. Give all operations (except mental ones) necessary to find results. Reduce each result to its simplest form and mark it Ans. Each complete answer will receive 10 credits. Papers entitled to 75 or more credits will be accepted.

1. Add 149 sq. rd. 28 sq. yd. 7 sq. ft., 59 sq. rd. 19 sq. yd. 8 sq. ft., 115 sq. rd. 23 sq. yd. 6 sq. ft.

2. Find the simple interest at 3½% of $56.75 from June 21, 1905 to March 8, 1907.

3. A grocer bought a chest of tea containing 240 pounds for $182.40 and sold it @ 85¢ a pound; find his gain per cent.

4. Find the cost @ $17.50 per M of 17 planks 15' long, 16' wide and 2½' thick.

5. Find the net amount of a bill for $1240 subject to successive discounts of 10%, 14% and 12½%.

6. Find the cost, @ 49¢ a square yard, of plastering the walls and ceiling of a room 17' x 15' and 10½' high, allowing 117 square feet for doors and windows.

7. An agent's commission of 10% on the sale of 94 bushels of corn was $8.11; find the selling price a bushel of the corn.

8. The proceeds of a 60 day note discounted at 6½% 28 days after date is $566.96; find the face of the note.

9. What per cent does 5½% stock yield if bought at 114½, brokerage ½%?

10. At the end of 4 years a man has paid $150 for insuring a house for $5000; find the annual rate of insurance.

11. In 18 days 27 men can do a piece of work; in how many days can 24 men do the work?

12. Simplify \( \frac{4 - 1\frac{1}{3} \div \frac{1}{3}}{\frac{4}{5} - \frac{1}{2} \times \frac{1}{2}} \)