

works alone at it for 5 days, after which they both together finish the work. How long was the work under contract? (15)

3. How long will it take a train $\frac{1}{16}$ of a mile long, going at the rate of 10 miles an hour, to cross a bridge $\frac{1}{2}$ miles, 80 rods long? (15)

4. What must be the marked price of cloth that cost \$1.50 a yard, so that the seller may reduce his price 10 per cent. and still make a profit of 20 per cent.? (15)

5. A note of \$750 amounted to \$759 from January 1st to March 14th, 1892. At what rate of interest was the note drawn? (15)

6. At 18 mills on the dollar, a man pays \$27 income tax, when 20 per cent. of his income is exempt from taxation. Find his income? (15)

7. How much money must be invested in stock at 80%, paying an annual dividend of 5 per cent., in order to realize an income of \$720 per annum, brokerage being $\frac{1}{8}$? (15)

8. A merchant sends his agent \$9,009 in flour, to sell on a commission of $3\frac{1}{3}$ per cent., and instructs him to invest the balance in apples on a commission of 5 per cent. Find his total commission, and the number of barrels at \$2 per barrel which he remitted. (15)

9. A note of \$730, dated August 3, payable in 3 months, is discounted September 15 at 7 per cent.; find the proceeds. (15)

10. The sum of two numbers is 156, their common factor is 13; the difference between the other two factors is 2. What are the numbers? (15)

11. Express in the form of a vulgar fraction the average of $1\frac{1}{5}$, $\frac{7}{8}$, $\frac{38}{9}$

4, $3\frac{1}{5}$, $4\frac{5}{9}$, $16\frac{2}{3}$, $001\frac{1}{9}$. (15)

B.

12. A map is drawn to a scale of half-an-inch to a mile, how many acres are represented by a square inch on the map? (20)

13. How many more yards of fencing will it take to fence a 10-acre field, which is 80 rods long, than to fence a square 10-acre field. (20)

14. A plate of gold 4 inches square and $\frac{3}{4}$ of an inch thick is extended by hammering so as to cover a surface of 12 yards square; find its proper thickness. (20)

15. The area of an equilateral triangle described on a side of a rectangle is equal to the area of the rectangle. One side of the rectangle is 16 feet; what is the length of the other side? (20)

CONTEMPORARY LITERATURE.

George Eliot's "Silas Marner" is the latest issue in the *Longmans' English Classics* series. It is edited with notes and a specially good introduction by Prof. Herrick of the Chicago University. Those who dislike to find alterations in the text of standard works will be pleased to know that this is a reprint from the English authorized edition by the

permission of Messrs. Blackwood and that no changes have been made in the story. Advice as to the way "Silas Marner" should be read in secondary schools will be found in the "Suggestions to Teachers and Students." A good reproduction of Rajon's etching of George Eliot is given as a frontispiece. Altogether this will be found a satisfactory and