

SECTION A

1. Find the cost of 24 tons $15\frac{1}{4}$ cwt. of cement at £6 3s. 4d. per ton.

2. Simplify : $\frac{\frac{2}{7} - \frac{5}{91} - \frac{12}{143}}{5\frac{1}{6} \times 2\frac{1}{7} - \frac{4}{7}}$.

3. Reduce £196 17s. 6d. by $3\frac{3}{4}\%$.

4. Simplify : $\frac{6}{1\frac{1}{4}} + \frac{5}{100} + \frac{1.75 \times 4.85}{.05 \times .35} - 9.05$.

5. The Interest on £ $1\frac{1}{4}$ for one year is a shilling. Find the interest on £575 for $3\frac{1}{2}$ years at the same rate.

SECTION B

6. I spent $\frac{1}{4}$ of my money, and $\frac{3}{4}$ of the remainder. When I spent $\frac{1}{2}$ of what I had left then, the balance was 2s. 6d. How much money had I at first?

7. The cost of completely carpeting a room 24 feet long by 21 feet wide is £36. How much money would be saved by leaving a border $1\frac{1}{2}$ feet wide round the room?

8. An American visitor brought 2,548 dollars to Ireland, and got £1 for every 2.8 dollars. He spent $92\frac{4}{11}\%$ of his money whilst he was here. How many pounds sterling had he left?

9. A man bought two houses, one for £800 and the other for £600. He sold the first at a profit of 15%, and the second at a loss of 5%. What percentage profit did he make on the whole transaction?

10. A cow gave 8095.8 lbs. of milk in a season. The percentage of butter fat in the milk was 4.05. If a gallon of milk weighs 10.3 lbs., how many gallons of milk were needed to make 1 lb. of butter fat? Find also how many lbs. of butter were yielded by this cow's milk, taking the average yield of butter from a pound of butter fat as $1\frac{1}{7}$ (Answers to the first decimal place.)