

THE KING'S SCHOOL, SHERBORNE.

Midsummer Examination 1852.

Arithmetic.

1. Explain "Sum," "Difference," "Product," "Quotient," "G. C. Measure," and "L. C. Multiple" of two numbers.
2. If a pound weight of standard gold be coined into £40. 14s. 6d., what is the value of an ounce of standard gold?
3. What will be the expense of papering a room 15ft. 4in. long, $12\frac{1}{3}$ ft. wide, and 7ft. 10in. high, at $2\frac{1}{2}$ d per square foot?
4. Find the value of $3\frac{1}{3} + \frac{5}{6} - 4\frac{1}{9} + \frac{2}{3}$ of $7\frac{1}{2}$, and reduce the fraction $\frac{1}{2}\frac{2}{3}\frac{5}{6}\frac{2}{7}$ to its lowest terms.
5. Find the value of (1) $\frac{7}{8}$ of a ton: (2) .953125 of a mile, and reduce 4s. $7\frac{1}{4}$ d. to the decimal of 17s. 4d.
6. What will be the expense of lodgings for 11 months, 2 weeks, 5 days, at £5. 4s. 9d. per month?
7. The expense of 6 workmen for 21 weeks is £120; what will be the expense of 14 workmen for 46 weeks?
8. Distinguish between Interest and Discount, and find the discount off £275. 6s. 8d. due 18 months hence at $4\frac{1}{2}$ per cent.
9. If when I sell cloth at 10s. per yard, I lose 5 per cent, how much shall I gain or lose per cent, by selling it at 12s. 6d. per yard.
10. The owner of $\frac{4}{7}$ of a ship sold $\frac{5}{11}$ of $\frac{2}{9}$ of his share for £12 $\frac{4}{3}$, what would $\frac{2\frac{1}{2}}{4\frac{1}{4}}$ of $\frac{2}{3}$ of it cost at the same rate?
11. The 3 per cent Consols being at $92\frac{1}{8}$, and the $3\frac{1}{2}$ per cents at $93\frac{1}{2}$, into which Stock is it most advantageous to buy?
12. Express .25363636 &c. in the form of a vulgar fraction.