

18. A and B each lend £256 for 3 years at $4\frac{1}{2}$ per cent. per annum; A at simple, B at compound interest. State in decimals of £1 what is the difference in the total amount of interest which they are each entitled to at the end of the time.
19. A box with square ends $1\frac{3}{4}$ feet wide takes $84\frac{3}{4}$ feet of board, 12 inches wide, to make it. What is the length of the lid?
20. Reduce $\sqrt[3]{\frac{8}{125}}$ to the decimal of $\sqrt[3]{\frac{8}{125}}$ (to four places of decimals).
21. If the country has to pay at the rate of 7s. 3½d. per day per soldier in a campaign, what will be the expense of an army of 11,500 men for six weeks?
22. What is meant by "Proportion, or the Rule of Three?" A labourer working $7\frac{1}{4}$ hours a day, does a job in 9 days; how many hours a day must he work to get it done in $7\frac{1}{2}$ days? Shew that it is unnecessary to state this sum.
23. If a piece of land 375 ft. 6 ins. by 75 ft. 6 ins. cost £118 2s. 6½d., what will be the price of a piece of similar land, 278 ft. 9 ins. by 151 ft.?
24. Find the value of 959 cwt. 2 qrs. 20 lbs. at £2 12s. 6d. per cwt.
25. Find the value of 8,764 articles at £10 17s. 6½d. each.
26. Make out a bill for the following:—Silk dress, $18\frac{1}{2}$ yds., at 5s. 6d. per yd.; 64 yds. of sheeting at 1s. 4½d. per yd.; 4 pairs of blankets at 18s. 4d. per pair; 3 ditto at 12s. 8d.; 26 yds. of huckaback at 10½d. per yd.; 9 damask tablecloths, 4 at 19s. 6d., 5 at £1 6s. 6d.
27. Find the cost of 1,296 articles at 16s. 10½d. each (by Practice).
28. Find the cost of $165\frac{1}{2}$ cwt. at £2 5s. 6d. per cwt.
29. Find the value of 37 yds. 2 ft. 7 ins. of silk at 5s. 3½d. per yd.
30. Find the simple interest and amount of £417 7s. 9d. for 1 year 10 months at $4\frac{3}{4}$ per cent.
31. A man after paying an income tax of 7d. in the pound, has £248 10s. 8d. left; what was his gross annual income?
32. If a tradesman with a capital of £2,000 gain £50 in 3 months, how long will it take him with a capital of £3,000 to gain £175?
33. Divide 1121'4 by '534.
34. Convert $5\frac{3}{4}\pi + '75$ of $\frac{1}{8}$ of $7\frac{1}{4}$ into a decimal.
35. Find the value of $4'106$ of 3 cwt. 1 qr. 21 lbs.
36. If a snail crawl on the average $5\frac{1}{4}$ in. in 5 min. 3 sec., what fraction and also what decimal of a mile would it crawl in 2'4 hours?
37. Reduce $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}$, into equivalent fractions with a common denominator.
38. Simplify $\frac{1}{2} + 10\frac{1}{2}$ of $1\frac{1}{2} + 4\frac{1}{2}$ of $3\frac{1}{2} - 4$.
39. What rate in the pound must be levied to raise £463 16s. in a parish the rateable value of which is assessed at £6,184?
40. A boy after spending $\frac{1}{3}$ of his money in oranges, finds that $\frac{2}{3}$ of what he has left is 1s. 9d.; how much money had he at first?
41. If a man earn £17 6s. in 102½ days, how long will he be in earning 50 guineas.
42. The annual poor's rates on a net rental of £365 7s. 3d. amount to £36 8s. 9d., what should be the net rental of an estate for which the poor's rates amount to £24 5s. 10d. per annum.
43. A town which is defended by 1,200 men with provisions enough to sustain them 42 days, supposing each man to receive 18oz. a day, obtains an increase of 200 men to its garrison; what must now be the allowance to each man in order that the provisions may serve the whole garrison for 54 days?

GRAMMAR.

- I. Point out the adjectives in the following