18. The ingredients of a loaf of bread are rice, flour and water, and the loaf weighs 15 lbs. The weight of the rice increased by 5 lbs. is $\frac{2}{3}$ of the weight of the flour, and the weight of the water is $\frac{1}{3}$ of the weight of the flour and rice together. Find the weight of each.

19. A debtor is able to pay his creditors just 5s. in £1 ; but if his assets had been 5 times as great, and his debts $\frac{2}{3}$ of what they really were, he would have had a balance of £140. How much does he owe?

20. A boy selling oranges sells half his stock and one more to A, half of what remains and two more to B, and three that still remain to C. How many had he at first?

21. In a garrison of 2,744 men there are two cavalry soldiers to twenty-five infantry, and half as many artillery as cavalry. Find the numbers of each.

22. Divide 150 into two parts such that, if one be divided by 23 and the other by 27, the sum of the two quotients may be 6.

23. The first digit of a certain number exceeds the second by 4, and when the number is divided by the sum of the digits the quotient is 7. Find it.

24. The length of a floor exceeds the breadth by 4 feet ; if each had been increased by a foot the area of the room would have been increased by 27 square feet. Find the dimensions.

25. A person has travelled altogether 3,036 miles, of which he has gone 7 miles by water to 4 on foot, and 5 by water to 2 on horseback. How many did he travel each way?

26. I wish to enclose a piece of ground with palisades, and find that if I set them a foot asunder I shall have too few by 150, whereas, if I set them a yard asunder, I shall have too many by 70. What is the circuit of the piece of ground?

27. A man could reap a field by himself in 20 hours, but with his son's help for 6 hours he could do it in 16 hours. How long would the son be in reaping the field by himself?