

the arrangement in the parts of these sentences :

I saw a squirrel run up a tree with a large bushy tail to-day.

The coffee-bean chiefly grows on equatorial islands in the torrid zone.

3. Write an account, twelve or fifteen lines, of two or three hours' stroll with pleasant companions through field and woods. In the course of the composition mention certain wild-flowers, berries, birds, mosses, ferns, creek, and the effects of the walk on mind and body. (24)

4. On the 1st August, George Platt, Thorndale, bought of the Massey-Harris Co. a binder for which he gave his note payable in nine months for \$105. Write the note. (10)

ARITHMETIC—3RD TO 4TH CLASS.  
TIME, 3 HRS.

LIMIT OF WORK—Practical application of the four simple rules continued. Factoring continued. Reduction and the compound rules. Cancellation, Bills, averages, sharing and measurements. Authorized text book to page 91. Mental arithmetic.

1. (a) Find the sum of  $15 \times 11 \times 7$ ,  $18 \times 13 \times 11$ , and  $33 \times 18 \times 13$ . (3)

(b) One of the factors of 3289 is 23, find two other factors. (3)

(c) By cancelling find the value of  $2574 \times 1155 \div 3289$ , divided by the product of 7722 and 715. (6)

2. Make a bill of the following items, and put all the work of finding the prices of the several items on your paper: Miss Annie Black bought of Wm. Bright, general storekeeper, 6 quarts of coal oil @ 16c. per gal., 24 ounces of black tea @ 50c. per lb., and 12 ounces of green tea @ 32c. per lb., 35 lbs. of flour @ \$2.00 per cwt., 10 feet of felt paper @ 6c. per running yard, 8 egg cups @ 30c. a dozen. (16)

3. Find the value of a farmer's produce as follows :

12735 lbs. of wheat @ 64c. a bushel.  
19108 lbs. of oats @ 22c. a bushel.  
12175 lbs. of hay @ \$13.60 per ton.  
480 bushels of potatoes @ 30c. a bag.  
A bushel of potatoes weighs 60 lbs.,  
 $1\frac{1}{2}$  bushel = 1 bag.

Put all the work of finding the values on your paper and add the four sums of money. (16)

4. (a) How much velvet is required to cover, except on the bottom, a box 4 inches square on each end, and 10 inches long? (4)

(b) The velvet is 15 inches wide. Estimate how much you would have to buy, and the cost, at 80c. a yard. (8)

5. A barn is 60 ft.  $\times$  36 ft., corner posts are 16 ft. long; allowing 180 sq. ft. for each gable, find the cost of the lumber required for sides and ends at \$12.50 per thousand. (10)

7. F. sold 2 tons 120 lbs. of cheese @  $7\frac{1}{2}$ c. per lb.

F. sold 2 tons 96 lbs. of cheese @  $8\frac{1}{4}$ c. per lb.

F. sold 3 tons 240 lbs. of cheese @  $8\frac{1}{3}$ c. per lb.

Find the average price per lb. of all the cheese. (12)

*Including mental Arithmetic: 33  
minimum to pass.*

A maximum of 10 marks for neatness and style of work may be allowed on this paper if the steps and denominations are correctly and neatly written; exclusive of these require 33 marks as a minimum for promotion. Allow nothing for mere answer without the work. If the work is put down carelessly, the results of the different questions not explained or stated, and the denominations not written, deduct one-twentieth to one-fifth of the number of marks obtained. Report the marks for style of work as directed at the foot of the Arithmetic paper for Class II.