

SCHOOL AND COLLEGE.

At a concert and social held in Glencoe, Restigouche County, the sum of \$53.50 was raised. A new stove and teacher's desk have been purchased, and the balance will be used to improve the school grounds. Com.

[We shall be glad to hear from our correspondent again, and from others who can record improvements.—EDITOR.]

The principal of the schools at Grafton, N. B., is Mr. Arthur P. Davis. He began his work there after the vacation.

The schools in Kentville, N. S., which had been closed for nearly three months on account of smallpox, resumed work after the Christmas vacation.

Mr. A. B. Boyer, of Carleton County, N. B., entered upon his duties as principal of the superior school at Harcourt, Kent County, at the beginning of the New Year.

We regret that Inspector G. W. Mersereau met with a painful accident early in January, which made it necessary for him to remain at home during the greater part of that month. He is now at work, and during this term the following schools will be visited in order: Derby, Newcastle (ungraded) and Alnwick, Northumberland County; Richibucto and Weldford, Kent County; the ungraded schools and afterwards the graded schools in the remaining parishes of Northumberland County; Bathurst in Gloucester County; and, beginning about the first of June, the parishes of Restigouche County.

Dr. MacCabe, principal of the Ottawa Normal School, spent a pleasant and well-earned vacation in visiting many of the normal schools of the United States.

The school at Prince William, York County, N. B., taught by Miss Beatrice Richards, has raised, by means of a concert, the sum of \$11.00, with which to purchase a set of apparatus, chemicals and minerals for lessons in elementary science. The school at Hatfield's Point, B. F. Johnson, teacher, has procured a similar set. The Prince William school will have a cabinet put up in which to arrange the apparatus and natural history specimens.

The calendar of the Summer School for the Atlantic Provinces will soon be issued containing the course of study, local arrangements and other information for intending students. The authorities and citizens of St. Stephen are preparing to extend a cordial welcome to the school, and there is every prospect that the approaching session will be the most successful in its history. Teachers should inform themselves thoroughly of the objects of the school and its great advantages to themselves. Their work in the future will be greatly stimulated by the fine course of study which the school affords, together with the opportunity for healthful recreation.

If domestic life has its cares and responsibilities—and what life has not?—it also has its sweetness and its consolations, its joys and its benefits, that are infinitely superior to anything that can possibly be obtained in hotels or flats.

'ROUND TABLE TALKS.

F. A. T.—Please solve the following questions:

1. If the hands of a clock indicate 3 o'clock when the proper time is one minute to three, and 4 o'clock when the proper time is half a minute past four, what is the proper time when the hands of this clock coincide between 4 and 5? Academic Arithmetic, Question 5, Ex. 44, p. 125.

2. What is the largest number of trees that can be set in a garden 120 yards square, so that the trees shall be at least 10 yds. apart and not less than 5 yds. from the fence by which the garden is enclosed? Academic Arithmetic, Question 4, Ex. 45, p. 126.

3. The stock in trade of two partners in a tea business consisted of 1020 chests of tea, B's share in the business being $\frac{2}{3}$ of A's. Having agreed to dissolve partnership, B took 900 chests, A took 120 and received \$1050 from B. Tea then rising 16 $\frac{2}{3}$ % in price, each sold his stock. After the sale, what fraction is A's property from this source of B's? Academic Arithmetic, Question 5, Ex. 51, p. 129.

4. Divide \$4941 among A, B and C so that $3\frac{1}{2}$ % of A's share, 33% of B's share, and $4\frac{1}{2}$ % of C's share may all be equal. Academic Arithmetic, Question 1, Ex. 54, p. 130.

1. True time when clock indicates 3 hrs. is 2 hrs. 59 min. Time from 3 (clock time) to $4.21\frac{9}{11}$ (time indicated by clock when hands are together between 4 and 5) is $81\frac{9}{11}$ min. (clock time).

60 min. clock time = $61\frac{1}{2}$ min. true time.

$81\frac{9}{11}$ m. clock time = $\frac{61\frac{1}{2} \text{ m.} \times 81\frac{9}{11}}{60} = 83\frac{1}{2}$ of true time.

Adding $83\frac{1}{2}$ min. to 2 hrs. 59 min. we get 4 hrs. $22\frac{1}{2}$ min.

2. Plant 12 trees and 11 trees alternately for 8 rows. In the remaining space, 5 rows of 12 trees each can be planted. This will make 152 trees.

3. A's share of chests = 540; B's = 480. Since A took 120 chests and \$1050, the value of 360 chests = \$1050, and value of 1 chest = \$2.50.

Value of one chest after increase = \$2.91 $\frac{2}{3}$.

900 chests at \$2.91 $\frac{2}{3}$ = \$2625

120 " 2.91 $\frac{2}{3}$ = 350

B's net receipts were \$2625 - 1050 = \$1575

A's " " 350 + 1050 = 1400

As A's property : B's :: 1400 : 1575

or $\frac{8}{9}$.

4. $3\frac{1}{2}$ % of A's = $4\frac{1}{2}$ % of B's.

100% (all) of A's = $\frac{4\frac{1}{2}\% \times 100}{3\frac{1}{2}\%} = 128\frac{4}{5}\%$ of C's.

Similarly all of B's = 120% of C's.

A's + B's + C's = \$4941

348 $\frac{4}{5}$ % of C's = \$4941

C's = $\frac{\$4941 \times 100}{348\frac{4}{5}} = \1417.50