

(33) The length of a room is 21 feet, and its height is 10 ft. 6 in. and the area of the floor is $\frac{1}{11}$ of the area of the four walls. Find the breadth of the room.

$$\begin{aligned}\text{Breadth} &= \frac{1}{11} \text{ of the area of the walls} \\ &= \frac{1}{11} (42 \times 28 \times \text{breadth}) \times 10\frac{1}{2} \\ &= \frac{1}{11} (21 \times \text{breadth}) \\ &= \frac{1}{11} \text{ ft.} \times \frac{1}{11} \text{ of breadth.} \\ \text{Therefore } \frac{1}{11} \text{ of breadth} &= \frac{1}{11} \text{ ft.} \\ \text{breadth} &= \frac{1}{11} \text{ of } \frac{1}{11} \\ &= 17\frac{1}{2} \text{ ft.}\end{aligned}$$

C. L. A. A person invests £5000 in Turkish six per cent stock at 80; find the rate of interest he gets for his money. When his stock has risen to 104 he sells out, and buys £20 railway shares at £18 which pay a dividend at the rate of $4\frac{1}{2}$ per cent. Find the alteration in his income.

$$\begin{aligned}\text{For every } £80 \text{ invested he receives } £6 \\ \text{Therefore for } £100 \text{ he receives } £\frac{6 \times 100}{80} &= £7\frac{1}{2} \text{ or } 7\frac{1}{2} \text{ per cent.} \\ \text{The Turkish stock } £\frac{5000 \times 100}{80} & \text{ He sells this at} \\ 104 \text{ and gets } £\frac{5000 \times 100 \times 104}{80 \times 100} &= £6500 \\ \text{But } £20 \text{ of railway stock costs } £18 \\ £100 & \text{ " " " } £90 \\ \text{Therefore } £90 \text{ brings in } £4\frac{1}{2} \\ \text{" } £6500 & \text{ " } £\frac{6500 \times 4\frac{1}{2}}{100} = £325 \\ \text{Income from Turkish stock } £\frac{5000 \times 6}{80} &= £375 \\ \text{He therefore loses } £50 \text{ each year.}\end{aligned}$$

SCHOOL AND COLLEGE.

Inspector Carter has appointed Friday, May 7th, as school Arbor day for his district.

The credit for the improvements at Whittier Ridge, Charlotte Co., which were otherwise given in the last REVIEW, are due to Miss Mildred McCann.

Miss Hettie M. Keast, who taught four years so successfully at Land's End, Kings Co., has resigned to take a position in the Northwest of Canada. Miss Keast was one of our very best teachers, and the district in the Northwest that has secured her services has been fortunate indeed.

Dr. A. H. MacKay, superintendent of education, Nova Scotia, has accepted the invitation of the executive to be present in St. Stephen at the institute, and to give an address or paper in addition to taking part at St. Croix Island and at the public meeting.

Inspector Carter will be engaged with the schools of the City of St. John until the Easter vacation, after which he expects to visit the schools of St. Stephen, St. Andrews and Milltown.

At the instance of Mr. G. W. Ganong, M. P., and the St. Stephen school board, the rink will be furnished free to the united institutes next September.

At the March monthly meeting of the Charlottetown school board, John McSwain, Esq., was appointed a special teacher to give instruction in the several schools in drawing.

From the proceeds of an entertainment, \$22 will be spent in additions to the library of the Apohaqui, N. B. Superior school of which Mr. Milton Price is the teacher.

A very successful concert was given recently by the pupils of Murray Harbor South School, P. E. Island, under the efficient leadership of the principal, A. D. Fraser, Esq. Proceeds to purchase a flag for the school.

The subject of school savings banks is engaging the attention of the Summerside, P. E. I., teachers, and we may be able to chronicle the starting of such a bank in connection with the schools there at no distant date.

At a concert given by the pupils of St. Eleanors, P. E. I., school, recently, the sum of sixteen dollars was raised to purchase maps. Principal McIntyre is to be congratulated on the success of the enterprise.

James B. Allen, Esq., one of the very efficient staff of teachers of West Kent School, Charlottetown, is about severing his connection with the school. He intends trying his fortune in Rossland.

The death of Miss Emma McInnis, which took place at Windsor late in March, is sincerely regretted by a large circle of friends to whom she had endeared herself by an amiable disposition and by her many excellent qualities. During the past few years she had taught in the Victoria school, St. John, in Grade V, and later filling a position in the Girls' High School. Both positions she filled most acceptably, and was a great favorite with pupils and associate teachers.

BOOK REVIEWS.

THE PRACTICAL MENTAL ARITHMETIC, illustrating contractions in multiplication and abbreviated methods of calculation, with recreations, diagrams, tables, etc., by C. E. Lund, D. L. S., has been received. There is no more useful and important subject in the school curriculum than that of mental arithmetic, not only because of the self-reliance it creates in the training of the mind, but because as well of its practical utility in the actual work of life. Nothing wakes up a school more than a good lesson in this subject. It has been thought a mistake that the Normal school examination papers no