2. $\frac{99}{100}$ child's share $= 2 \times \frac{97}{100}$ of brother's share.
$\therefore$ brother's share $= \frac{99}{104}$ of child's share.
5 child's share + 3 child's share $\times \frac{99}{104} = \$12670$ and child's share $= \frac{194}{1207} \times \$12670 - 1\%$ of this sum.
$\therefore$ child's share $= \$1,940 - 1\%$ of $\$1940 = \$1920.60$.
$\therefore$ Brother's share $= \frac{99}{104}$ of $\$1920.60 - 3\%$ of $\frac{99}{104}$ of $\$1920.60 = \$960.30$. E. R.

I give the following solutions to pupil A's questions in School Journal Nov. 26th :

1. Taking C's flour as the standard and reducing B's and C's to this standard we have

Number of bbls. for A's share $= 125$
" " B's " $= \frac{150 \times 109}{110} = 136\frac{4}{11}$
" " C's " $= \frac{225 \times 105\frac{5}{11}}{100} = 237\frac{3}{11}$

The commission merchant must remit A, B, and C in the proportion of 125, $136\frac{4}{11}$ and $237\frac{3}{11}$.

$\therefore$ Amount to be remitted A, B, and C together $= (125 + 150 + 225) \times \$7 \times .96 = \$3360$ $\therefore$ amount remitted A $= \frac{\$3360 \times 125}{498\frac{7}{11}}$

Amount remitted B $= \frac{\$3360 \times 136\frac{4}{11}}{498\frac{7}{11}}$

Amount remitted C $= \frac{\$3360 \times 237\frac{3}{11}}{498\frac{7}{11}}$

2. If the brothers receive \$1 each after legacy duty is paid $\therefore$ the children receive \$2 each after duty is paid.
$\therefore$ The 3 brothers receive \$3 and the 5 children \$10
\$3 is the amt. left (after legacy duty is paid) from $\frac{100 \times 3}{97} = \$3\frac{9}{97}$
\$10 " " " " $\frac{100 \times 10}{99} = 10\frac{10}{99}$
$\$3\frac{9}{97} + 10\frac{10}{99} = \$13\frac{1861}{9603}$; $\therefore$ from $\$13\frac{1861}{9603}$ the children receive \$10
" \$1 " " $\frac{10 \times 9603}{1267 00}$
" \$12670 " $\frac{10 \times 9603 \times 12670}{1267 00}$
$= \$9603$ $\therefore$ 1 child receives \$1920.60
From $\$13\frac{1861}{9603}$ the brothers receive \$3
\$1 " " $\frac{\$3 \times 1861}{1267 00}$
" \$12670 " " $\frac{\$3 \times 1861 \times 12670}{1267 00} = \$2880.90$
$\therefore$ 1 brother receives \$960.30
E. W. Dunlop.

Educational Notes and News.

The Chatham High School Board is advertising for a head master.

Mr. Preston, the popular and efficient teacher of Bethany Public School, has been re-engaged for 1886.

Mr. George Pearce has been engaged as teacher of the senior department, Little Britain Public School, for the ensuing year.

The school-house at Muirkirk was destroyed by fire. Loss about \$1,200.

A fire occurred at Orford, the Orford school-house, Section No. 7, being burnt, loss \$1,000, cause of fire unknown.

Miss Cattenach, teacher for the junior department of the Dutton Public School, has been re-engaged for 1886.

Miss Bancroft, late of St. Thomas Model School, has been engaged in the junior department of Corinth school for 1886, at a salary of \$260.

The following are engaged in Wyoming Public School for 1886. Mr. C. S. Falconer, 1st C, principal; Miss Loan, of Barrie, 2nd Prov., and Miss Woods, of Forest, 3rd class.

Mr. J. P. McLaren and Miss Edith Riggs, both of Enniskillen, take charge respectively of the Lotus School, Manvers, and Crystal Spring School, Cartwright, for the ensuing year.

The trustees of Shedden school section have two new teachers for the coming year—Mr. Leach for the senior department and Miss C. Stafford for the junior department.

Jos. Drummond has been engaged to teach the Vereker school for next year This makes Mr. Drummond's eighth year in the school.

A petition, very numerously signed, has been forwarded to the Hon. the Minister of Education by the inhabitants of Vienna and the township, praying for the retention of the High School in that village.

It appears that, notwithstanding all the fuss that has been raised, Mr. Morton will continue tobe principal of our Public School, Newcastle. Miss Carrell, assistant High School teacher, will leave here and take charge of a school in Whitby.—*Canadian Statesman.*

Mr. William Montgomery has been re engaged to teach the Public School, Guilds, for 1886 for the sum of \$450. He is very highly esteemed in the school section. During the past year he has given general satisfaction

Less dependence on the text-book, less of the mechanical, less of formulated rules; more common sense, more dependence on principles evolved by reasoning, more observation, more following of the principles of the human mind, is what is needed in teaching.—*National Educator.*

Mr. Cruickshank, assistant teacher, Ingersoll High School, was presented by his pupils with a gold scarf pin. Miss B. Petrie made the presentation, which Mr. Cruickshank acknowledged in in suitable terms. This gentleman is leaving the school for another sphere of labor.

Clinton High School annual announcement is to hand. The staff consists of J. Turnbull, B.A., headmaster, gold medalist, Toronto University; S. W. Perry, B.A., gold medalist, Victoria University; Mr. David Robb, 1st Class, Normal; and Mr. H. S. McLean, 1st Class Provincial. The record of the school is exceptionally high.

The vacant positions on the staff of Ingersoll High School have been filled as follows:—Mr. Briden, B.A., principal, who retains Classics and English; C. A. Scott, B.A., of Kingston, Science Master; and W. J. Chisholm, B.A., of Hamilton, Modern Language Master. Mr. Taylor will take full charge of the work in Mathematics. The newly appointed teachers have high recommendations and have large experience in their profession.

An exciting contest took place in Wallaceburg last week in reference to the appointment of a principal for the Public School. Messrs. Ayarst and Wrigley, formerly publishers of papers in Wallaceburg, and both former principals of the school, were rival candidates for the position, as well as a number more. The vote of the board was a tie for each, and a compromise was effected by the appointment of a third man, Mr. Thornton.—St. Thomas *Journal.*

F. W. Merchant, M.A., who has accepted the headmastership of Owen Sound High School, at a salary of \$1,500, was presented by the pupils of the Ingersoll High School, of which he was the head master for many years, with a handsome clock and statuette. An address, couched in feeling words, and expressed in elegant language, was read by Miss Ada Ferguson, and the presentation was made by Mr. C. Cameron. Mr. Merchant replied in appropriate words, thanking the pupils for their kind address and beautiful present, and wishing the school and pupils success in the future.

Many of the lady teachers through the country are getting up Christmas entertainments, loading trees with Christmas joy-fruit, and such like events of a pleasurable and seasonable nature. Well done, ladies! The Christmas fruit,—not visible on the tree, but surely lurking in its branches,—namely, friendship, good-will, love, will be more durable than any other; and kind hands and smiling faces will be remembered for years, though the toys be broken, the books torn, and the candies have vanished. Ladies, you have struck the right chord.

Mr. P. E. Harding, late principal of S. S. No. 3, Fullerton, who is about to enter the ministry, was presented by his pupils at an entertainment held after school examination, with a fur overcoat and an address. Captain Francis presided on the occasion, and Master John Gill, on behalf of the pupils, presented the seasonable and valuable gift. The trustees expressed their satisfaction with the state of the school and the progress made during the three years Mr. Harding had been principal. Miss Francis is retained in the junior department for another year.

The music teachers of this Province will hold meetings in the theatre of the Education Department, Toronto, on the 29th and 30th of this month. Among other celebrities who will be present, Mr. H. E. Holt, Musical Director of the Boston (Mass.) Public Schools, is announced. He will illustrate the system of teaching children to read music, as applied in the Boston schools under his direction. The object of the convention is the formation of a Provincial Musical Association. For a nominal fee any person may attend the several public meetings, recitals, and concerts, and teachers, and lovers of music are cordially invited.