

than a single test will afford. Each examination should not only cover the work done since a previous one, but should be a review of old work. There should be questions in each examination to test the thinking powers of the scholars, as well as to test their memory. Examinations should be largely used to direct pupils' attention to new and important subjects, as well as to the best methods of dealing with old ones. Questions are better prepared by one who is not a teacher of the class, as by this means points that may be in danger of being overlooked receive attention. If, however, the examination is to be a test merely of the work the class has gone through, then the teacher should prepare his own questions. If monthly examinations are held, the questions should be prepared alternately by the teacher and by someone else. The teacher should read the papers of his own scholars, so that he may see clearly where they may have failed. One good result of examinations is the power they have of fixing facts and principles in the mind; for pupils are not likely to forget either their success or their failure in answering certain questions. They are very likely to hunt up the answers after the examination, and this should be encouraged by every teacher. Every set of questions should be carefully gone over with the class after the examination, and all principles involved thoroughly discussed and explained. Neatness of work should be encouraged by sending the answers for the inspection of the parents. Nine questions are probably enough for one subject of examination, and the value of one question should be allowed for neatness of work.

QUESTIONS

used in the examination of candidates for Third Class Professional Certificates at the Goderich Model School, Oct. 28; furnished by the courtesy of Mr. J. R. Miller, P.S.I.

MENTAL ARITHMETIC.

The amount of a certain sum of money at simple interest for 6 years and 3 months at

3 per cent. per annum is \$960. Find that sum.

What number is that which being increased by its half, its fourth, and 18 more, will be doubled?

If 10 men can do a piece of work in 18 days, how many men will be required to finish a piece of work twice as great in 24 days?

A cistern has 3 cocks. One will fill it in 6 hours, another in 8 hours, and the third will empty it in 10 hours. If the cistern be empty and the 3 cocks opened at the same time, in what time will the cistern be filled?

The true discount of a certain sum of money payable 5 years and 9 months hence, allowing discount at 5 per cent. per annum, is \$345. Find sum discounted.

A, B and C enter into partnership for trade. As often as A puts in \$4, B puts in \$5, and C \$7. They gain \$240. Find each one's share of gain.

$9647 + 369 - 9966$, divide by 2, extract square root, multiply by 6, square that, then $\frac{3}{4}$ of the result is greater by 450 than $\frac{1}{2}$ of a certain number. Find that number.

If 5 yards of cloth cost \$7.50, what will be the cost of $1\frac{1}{2}$ yards worth half as much again per yard?

\$63 is $\frac{1}{2}$ part greater than $\frac{3}{4}$ of a certain number of dollars. What is that sum?

Having $2\frac{1}{2}$ hours at my disposal, how far may I travel on horseback at 10 miles an hour that I may return in time, walking at the rate of 4 miles an hour?

Bought a certain number of sheep for \$600. If I had bought 10 more at \$1 less a head, my entire outlay would have been \$640. How many sheep did I buy?

A bankrupt who pays 30 cents on the dollar divides among his creditors \$6600. What was his total liability?

EDUCATION.

What several principles should govern the proportion of a time-table?

Discuss the value of emulation as an incentive to study.