of the precendiny queations, and irorl the folloicing metcad:
a. Equal chords in a circlo me cqually distant from the centre: ant convarsely, those whileh ure equally distant from the centre, are equal to one another.
6. Iuscribe asquare in ngiven circle.
N. B.-Female C'andilates after working this paprer, aro at liberty to take the parer set to Male caumithiten for Class I., and will receive ciedit for nny work correctly done in the last there questions.

Fine 1 lar 30 min.

Class $1 I$.

1. (1) Define the terms furtor, coefficient, poicer, exponent.
(2) Find the muncrical value of $b^{2}-$-ibe $+n^{2}+c^{*}$ if $a-1, b-2, c-3, a-4, c=1)$.
2. (1) State the Kule for Subtraction. (2) Show the reason for the lifule by opratiag upis an ea imple.
3. (1) Give the latule for fladag the square of the sum and of the difterence of wo mumbers. (2) Find the square of $a+b+c$, and of $d-c+j-a$.

4 Show how you can reatily a.certain whether $x^{n}+y^{\prime \prime}$ is divisible by $x+y$ and by $x-y$.
5. From the following equations, fand the vatue of $x$ :

$$
\begin{aligned}
& \text { (1). } \frac{x+4}{3}-\frac{x-1}{5}-2+\frac{3 x-1}{15} \\
& \text { (2). } \frac{x+1}{7}+x(x-2)=(x-1)^{2}
\end{aligned}
$$

(3). Square root of $(9 x+4)$ a syare root of $(9) r-1) \quad$ :3. 6. The sum of two numbers is 11 , and thear ratio is that of 5 to 6 , required the numbers.

7 Divide a line of 00 inches into three such part. that the second may be double of the firat, sud the third triple the same:
N. B.- When Fiemale Candidntes liwe worked this Paper, thof will be at liberty work tho Yajier set to Male Candidatea for Clans I , and will receive credit tur any work ourrectly dunc.
II. [10]
yon fuesch candidates Toni, 1 hr.
is T. Trnaghato into Freach the following passage: to rest himself under a trec; and tiking the bar of to rest himself under a tree; and tiking the bag of money in his hand, laid it down by his side. Flut on remounting be forgot it. The dog oliserviag this, man to fetch the bar: but it was too heavy, and it could not drag it along."
2. Translate the following into Euglish:-line autre fois, elle craignait guc les misimbles avec lesquels elle logeait allaient lassissiner, puar largent qu'ils crogacent quelle possdait. Ce ue fut que lorsquils virent qu'clle niavait que guelques monnaiesen cuirre dans sa bourse, yuils la labseireut partir saine et sature
9. (1) Pare the italicisel words above; (2) Givethe principal paris, also the Future Indicative of each of the ilalicisd verbs subve.
(3) What is the Rule for forming the plural of nouns ( $a$ ) cuding in $n t$, (b) ending in $a \prime \prime, ~ c u, ~ o u, ~(c)$ coding in al, ail?

## FISUION AND DIRD.LIFE.

The bulletin lately issucd by the "Committee on the l'rotertion of llirds," of the American Ornithologrists' U"nion, revenls come startling facts relating to the destruction of birds at the demand of fashion. The Committec gives the birds' side of the case, and indicate the probability of bumerous species hecoming totally extinct unless the terrible slaughter, now being carried on, is stopped.

The song birds suffer quite as much as any other orders; indeed their bright plumes and graceful forms and handy size make then particularly useful to the milliner, and the remains of scores of sweet singers may be seen on our streets, set jauntily on the hats of hadies who would become indignant if charged with being accomplices in the killing of these, the loveliest aud most harmless of God's creatures.

The exterminntion of the birels would be a serious mntter. To the lovers of nature-and who does not love the benutiful things of nature-their loss would be vers grent; but far more important would be the results arising from the enormous inerease of insect pests which must follow. This cconomic
 although just now it is attructing considemble attention.
The fuestion, " How is the extermination of the birds to be prevented?" is very ensily answered. Stop buying the feathers and the gunners will soon stop killing the birds; und if you do not stop huying the feathers, the blood of these innocent crentures, slaughtered to gratify your vanity, must be upon your hands.

That ou: women huve been the cunse of this destruction of birts through mero thoughtlessucss must lee patent to all. Very strong evidence of this is found in the learty enthusiusm with which they respond to the efforis that are being nume to create a public sentiment agninst the fashion. This is particularly noticcable in their willingness-my eugerness--to join the dudubon Society, the menbers of which pledge themselves not to mako use of the feathers of wild hirds for decorative purposes, and to discourage such usunge

This Audubon Society is very similar in its aims aud nethods to the $s$. borne Society of England, whirh has on its roll of men. bership such illustrious names as the Duchess of Argyle, tho Duchess of Sutherland, the Duchess of Devonshire, and a hundect other ladies of high rank, as well as Iord Temyson, Mr. Browning, Sir Frederick Jeighton, and others of noted distinction.

In the linited States the mosement has been taken up by the llumane Suciety, and by unmerous calucational mastitutions, and by the leading people in fushon and phihmethropy, aud its influence has increased with wonderful mpidity. The iden of the Auduhon Socin:y was conceived ouly a few months ngo, .and it is still unorganized, yet its membership 0 a the lirst day of June was over 7,500 , and the I'reside ut, protem, writes me that he issucs over a hundred certificates per doy.
the publishers of "Forest and Stream" very gencrously undertake to meet the enpense of starting and organifing the Aullubua Society, and its hendyuarters, at present, are in the office of that journal, at to Park Row, 入ew York.

Will not sume of our teachers help as in this "urk? They can remle: most valunble aid if they will.
The writer is the Canadian representatise on the Committec appointed by the Ameriean Ornithologists' Cinion to take charge of this matter, and he will gladly fumish, frec of harge, to any one applying, copice of the bulletins of the Committec, and circulars, ete., of the Auduison Society.

St. Juhi, S. 13.
Montage: Climberhain.

At a meeting of the Natural History Socinty of New lirmuswick, held at St. John, on Tuesday, June 1st, the following resolution were unamimousIg adopted:-
Wherear, Wo havolearned from reports of competent observerathat the annual distruction uf binls, principally fur millinery purposses, in 80 much greater than the natural increase, that unless the dentraction is stopped in a short time many of the most nseful and interestin species will be exterminated; and
Fhereas, The extermination of these birde would be a scrious lose to tho agriculturist and a matter of decp regret to the lonere of nature; be it
Resolrot, That this snciety he tily endorsex the netinn of the Anerican Ornitholotists Unimin inangurntiona crusade axninst the slaughtering of bind and we cordialls reonminend to the people of this cits and bmvince that thay cooprente with the dudulon Suciety, which has been foumhed ns an anxiliary we the efforta of tho Ameri. can Ornithologish' 'Ya iun, in creatiog a pablic sentument againat the wearing of bird skins fordecombive purposes, Inesolres. That wo reyuect the press throughout the province to publish these resolutions.

The matriculation exnmination for the liniversity was held in the Victoria School Jume 4 thand 5 th. There were nine young ladies examined. Mr. G. Herbert Lec, M. A., presided.

The celebration of Arbor Day bs the St. Stephen schools on Friday, Mny 21st, drow a large numbor of the citizens to the Marks Street school groundis. The front of the building was neatly decomed with llugs, tlowers, plants, overgreens and boughs. The exercises wene commenced by the singing of a protty arbor day chorus bj tho children in Miss Lyle's primary department, niter which Dinster Ruby Smith sung sowe pleasiug verses, his school mutes joining in the chorus. Mr. l. G. MeFarlano, principal of the sehools, welcomed the parents and friends to the second olservance of arbor day. St. Stephen hud been the pioneer town in the move. ment last year, and this year the day is beng olsserved in many parts of the province. In the course of further remarks appropriate to the day, Mr. McFarlano dwelt upon the many advantages arising from the presence of trees on the school grounds. IIe cxpressed a desire to seo a day set apart each year for the plantiug of trees on the grounds of both town and country schools. Miss Dowling's primary department saug approprinte selections, which were followed by the rendering of God Savo the Queen. Beside the address by Dlr. AcFerlane, others were delivered by Ion. Judge Stovens and Rev. G. 3r. Camplell. An interestiog featijre of the programme wos the presence of the Citizens' Band, which reudered n number of choice selections. At the conclusion of the ceremonies, trees were dedicated as follows: By T. Arthir Thompson, in memory of his deceased son Ralph Harrison; by Bliss Vatson, in memory of lRobert Watson; by Mark Mills, in lunor of L. A. Mills, Sceretary of Schools; bs Willic Mills, in memory of Wm. F. Andrews; by Lewis Mills, in honor of F . W. Andrews; by Inspector Oakes, in honor of Lady Tilley; nad by the phanting committee, in memory of the late 1 F . M. Todd, an catly promoter of trea planting.-Courier.

The superior school at Forest City, York county, timght by arr ishorn, celcbrived sirbor Day a lew days ago. About fifty trecs were set out and named for the trustees, the present and preceding tearhers, leading politicians, rulers, etc. An Arbur Day entertainment was held on the Queen's birthday, the opening address of which, on "Arbor Day, its importance and uses," was delivered by W. M. Johnston, a former teacher of the school. Ir ("oly read a very able paper on school hygiene, Mr. Broivn a paper on cducation, and Mr. Joshua Iamb, one on culture. The programme, besides the aliove, consisted of some excellent recitations be the pupils and of music liy the choir. Jfuch credit is due Mr. Brown for his very onergetic habors in this work, which are duly apprecinted ly the penple of the district.-Daily Telegray.

## COLLEGE NOTES.

The stuicnts of Memrimenok College held their ammal pie-nic June 1st, and an cojoyallic diay was spent. The closing excreises of the institution will take place June 2ind.

The Encornial excreises at King's College, Windsor, fake place on Thursday June 2fib, and will be of the usual interesting character. His Lordship the Metropoitan of Canada will preach the annual sermon.

## PERSONAL.

Gco. I. Parkin. Esci . A. M, of the Collegiate School. Fredcricton, expects 10 spend his summer vacatina in England.
Inspector Carter will visit the schools in Grand Manan, West Isles, Campolcllo, and St. Andrews, during the mouth of June.
T. II. Mand, D. C. L., has been offered the Principalship of Woodstock College, Ontario, and has deciled to aceept the position.

Mr. Gcorge U. Inay, of this city, has reccived nutice from Illinois Wesiesan Cinirersity that, having passed the requisite exmanination, he is entilued to the degrec of Ph. B. from that institution.-TCl.

