is that it is equally applicable to an oblique ellipse, as is shewn in Fig. 3. The ohisf dittealty in obtaining a correct drawing of this figure lios ingetting the pupils to recognizo the true shape of the curve; if thoy aro shown one drawn correotly, and better still if they drasw sume curructly themsolves by one of the abuve modes, there will be far less dificulty in obtaining them afterwards by freohand, although in overy caso it is botter to have tho axes drawn, and genorall y if unequal in length, to lightly outline the circumgeribing rectanglo or parallologram. A plan frequently adopted is to describe four ares of circles through the four extromities of the ares, using the semi-major axis to draw those on the semi-minor, and the semi-minor to draw those on the semi-major, then completing the ellipse by a curved line between these circular ares. This plan is evidently false, becauso no purtion of an ellipso can possibly ò a circular are.


An oval is properly made up of a semi-ellipso and a semi-circle. This :s shown in Fig. 2, where, in place of completing the ellipse in the same mode, we have drawn the semi-circlo on the minor axis, thus producirg an oval form.

We have given these figures thus carefully drawn, not that it is neccsary for junior pupils to draw them quite so elaburately, but in order to assist the teacher in getting a correct from by which ho may illustrate the truo shepo required, when, as beiore remarked, the chass will much mure readily comprehend the end in view. Stull wo hare found but little difficulty in getting the pupils to draw them by these methods after a littlo careful explanation, and the correctness of eye attained is well worth the timo spent upon it.

## EXERCISES.

1. Draw two lines at right angles, 3 iuches and $1 \frac{1}{2}$ inches long respectivoly, and bisecting cach other. On these two as axes draw an ellipse.
2. On samo two lines draw an oval, so that the upper end of oval is $1 \frac{1}{2}$ inches in width.
3. Draw an ublique ellipso of stme size.

After these hitvo been drawn thus mechanically, let them be drawn by freehand, using only tho axes as guiding lines.
"What is a lak.e?" asked tho teacher. A bright littlo Irish boy mised his 'mand. "TYoll, Bickuy, what is it 7" "Suro, it's a hole aニ the kit!iv, mum."

## (Fi.ucational dlotes ant glus.

Chesterville Public Sci:ool has a fifth class of ten.
There are 78 teachers in training in Stratford MLodel School.
Mr. A. C. Smith, assistant in MLorrisburghischool, was successful at the first class.ex,manations, having secured grade C .
Dundas Terchurs' Association will meet at Morrisburg on Thursday and Friday, October $29 t h$ and 30 th.

Mr. Butchart has been engaged to take charge of Now Sarum school next yenr.

Mr. Marten, B.A., of Exetor, has been engaged as principai of the Walford schools, at $\$ 600$ a year.

Mr. 1R. Henderson has resigned the principalship of tit Blyth Public School to begin ministental studies at Knox College, f'orontc.
Miss MIanio Baskott, teachor of S. S. No. 21, Scuthwold, has been appointed to succeed Mrs. Wallace, in Fingal, at the beginning of 1886.
Mr. MeCfabe, Iate teacher oit the Separato School, Amherstlurg, has entered the Medical College, Toronto, and Mr. Geo. Famelart has succeeded him.

Mr. Juhn A. McPhail, Jate hoadmaster of the Fanning School, Bedeque, ${ }^{3}$.E.I., is attending MeGill College, Montreal, for a university course.
A local teachers' association has been started at Wellesley village. The teachers in the vicinty are determined to make the oxercises interesting and profitable.

There wili no a convention of the East Victoria teachers held in Lindsay, on Friday and Saturday, 6th and 7th of November, at whech subjects of an instructive nature will be discussed.

AIr. Rogers has resigued the headmastership of Cimbray school. Ho intends to propare for a university degree. Mr. D. McMillan has been engaged as teacher for the ensuing year.

Mr. O. T. Mother, Lym Valley, Oxfurd county, has given up his school to attend the Ingorsoll High School, to atudy for a firstclass cortificate. We hope he will be rowarded with success.

Mr. John Campbell has buen re-engaged as Principal of the Public Shool in the village of Gorrie. Lle has been eight years in that position.

Mr. Chas. $\dot{\operatorname{B}}$. Rao has resigned the principalship of the Cass Bridge school. Mr. Casoy Smith, a newly-fledged Normalite, takes his place.

Mr. Arthur Whitner, a son of W. A. Whitnsy, M. A.headmaster, Irvquuss High Schuul, is succeeded in the Buyne Schuul, Wincliest $r$, $=$ by Miss 1. M. Gardiner.

Messrs. J. G. Harknesq and Jno. Stuart Carstairs were successful at the recent examinations in Toronto University. The former is in his first year, the latter in his second.

Mr. Jameson, brother of Headmaster Jaminson of Morrisburgh High Schuol, has been engaged as a third ass teacher in that institution.

Mr. D. C. Smith has resigued the mastership of 1slay School for the cosuing year. Although offered an increase in salaty he could not be induced to remain, having decided to attend the Collingwood Collegiate Institute, to study fur a higher grade of cortificate.
J. Houston, B.A., formerly teacher in the London Collegiato Institute, and recently Principal of the Cullegiate department, Portage La Prairie, has boen'offered the position of English teacher in the Winnipeg Collegiate Institute.
Mr. Jas. Criswford, formerly teachor in S. S. No. 9, Mosa, has given up charge of lis school and gone to Toronto to study Mediche. The vacancy occasioned by his departuro is filled by Mr. Foy, aforotime head master of athe Glencoe Public Scho 1 .

The Doninion llusiness College, Kingston, of rhich Messrs. Mckny and Wuod are the principals, is meeting with laudatory remarks from the local press, and at large number of students are now in attendance, many of whom arof from the Unied States.

The High School buildings, Lindsay, are reported by the H. S. Inspector as unsuitable. It is quite the that a better building should be orected, worthy of suchas town as Lindsay, for the present structure is more like a barn than at school.

