

2. To find the time of sunset in Toronto on the 1st of January. (25)
3. To find what stars will be above the horizon at Montreal at midnight on December 21st. (25)
4. To find the latitude and longitude of Arcturus. (25)

Linear Drawing.

(The lines by which each problem is solved must be shown.)

1. Construct an isosceles triangle of which the base shall be $1\frac{1}{2}$ inch and the vertical angle 40° . (25)
 2. Describe a circle of 1 inch radius, and draw a tangent at any point of it. (25)
 3. Construct a triangle whose sides shall be 2 inches, 1 inch, and $1\frac{1}{2}$ inches long respectively; and, after describing a circle of 3 inches diameter, inscribe in it a triangle equiangular to the above. (25).
 4. Construct a regular hexagon with $1\frac{1}{2}$ inch sides. (25).
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OUR ENGLISH GRAMMARS.

The object of the present paper is to show the very imperfect state in which the philosophy of the English language, as exhibited by our Grammars, at present is. Like our spelling and pronunciation, as well as other matters, English Grammar is in need of 'Radical' reform. The urgent need of this will be clear to those who recollect that it is rapidly becoming, at least in the colonies, the main, if not, with the exception of French, the only training in Grammar that boys receive. Our fathers, brought up in the "Old School" knew their Latin Grammar by heart and never troubled themselves about English, regarding it as one of those things that come by nature. But this is altered now; the classics, for good or evil, will take their place before long with Hebrew and Sanscrit—as studies of a special character, appropriate to the Literary, the Scholastic and perhaps one or two other professions. Meanwhile, thorough instruction in grammar of some sort is a necessary part of Education and is of advantage, not only as teaching a pupil to write his own tongue correctly, but as enabling him to acquire other languages with rapidity.

Grammar, Logic and Rhetoric, it will be remembered, were joined together in the old course called Trivium:—

GRAMM. loquitur; DIA. vera docet; RHET. verba colorat.