4. Parallelograms on the same base and between the same parallels are equal in area.

What kind of quadrilateral has its area bisected by each diagonal ?

5. If a straight line be divided internally into any two segments, the square on the whole line is equal to the squares on the two segments together with twice the rectangle contained by the two segments.

The square on the perpendicular from the right angle of a right-angled triangle on the hypotenuse is equal to the rectangle under the segments of the hypotenuse.

6. If a line be divided into two equal and also into two unequal parts, the sum of the squares on the unequal parts is together double the sum of the squares on half the line and on the line between the points of section,

The rectangle under the segments of a given line is greatest when the line is bisected.

7. Describe a square that shall be equal to a given rectilineal figure.

Divide a given line internally so that the rectangle under its segments may be equal to a given square. Find when this problem is impossible.

EDUCATION DEPARTMENT, ONTARIO.

Primary Examination.

HISTORY AND GEOGRAPHY.

Examiners—J. J. Tilley, Cornelius Donovan, M.A.

NOTE—Only eight questions are to be answered, viz., 3 from group A, 2 from group B, and 3 from group C.

A.

1. (a) Give a concise account of the invasion of Britain (i.) by the Romans, (ii.) by the Saxons, (iii.) by the Normans.

(b) Show how the country and its people were affected by these invasions.

2. Give an account of the struggle for civil liberty in England during the reigns of the Stuarts, with the immediate causes and effects of this struggle.

3. (a) Give an account of the war between Britain and Napoleon I, dealing only with the chief events.

(b) Show how trade, finance and manufactures were affected in Britain by this war.

4. Give an account of the following, with the causes that led to the passing of each Act : The Test Act (1673), Catholic Emancipation Act (1829), Reform Bill (1832), Repeal of the Corn Laws (1846), Irish Land Acts (1870, 1881).

B.

5. Sketch, as fully as time will permit, the War of 1812-14, giving cause, leading events, and names of principal actors in the war.

6. Describe in detail the Municipal System of Ontario.

7. Write full explanatory notes on any three of the following: Treaty of Paris (1763), Federal Union, British North America Act, National Policy, Unrestricted Reciprocity.

C.

8. (a) Show by means of a diagram, and explain fully the position of the earth with reference to the sun during (i.) the equinoxes, (ii.) our summer solstice, (iii.) our winter solstice.

(b) Account for the position and explain the use of the *great* and the *small* circles—including tropics and polar circles—found on a map of the world.

9. Give a detailed account of the trade carried on among the provinces of Canada.

10 (a) Name and locate five of the most important British possessions in the Eastern Hemisphere.

(b) Name the chief imports which Britain receives from these colonies individually.

11. Describe the New England States under the following headings : (a) Fa of the country. (b) Drainage. (c) Climate. (d) Soil and natural productions. (e) Industries of the different States.