

7. Describe as fully as you can, giving climate, products, population, etc., any *one* of the following:—Belgium; Turkey in Asia; India; Russia.
8. Write short notes on the following:—Glacier; Dew; Tides; Longitude; Arctic Circle; Trade Winds; Zones.
9. Draw a map of the Bay of Fundy, locating the counties of Nova Scotia and New Brunswick bordering upon it.
10. Write a note on (a) the railways of Canada, and on (b) the ocean ports of Canada; so as to indicate what you have learned of the present time commerce and trade of Canada.

MATHEMATICS.—VIII.

9.00 to 11.00 a. m., Friday, 30 June, 1916.

1. Divide 987654321 by 860432. (Answer of no value if not correct).
2. Which is the greatest, which the least, and what is the sum of the following fractions: $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{5}$, $\frac{1}{6}$.
3. Simplify $\frac{\frac{1}{2} - \frac{2}{3}}{1\frac{3}{4} - .125} \times 6.5$. Express the answer as a decimal and as a vulgar fraction.
4. A meter is 39.37 inches. How many kilometers in 10 miles?
5. A dealer buys goods for $17\frac{1}{2}\%$ less than he sells the goods for; He makes a profit of \$178.35. What was the cost of goods?
6. Find the simple interest on \$7300 at 5%, from January 28th, 1916, to April 9th, 1916, both days inclusive.
7. A walk is 7 rods long and 8 feet wide. Gravel is worth 75 cents a cubic yard. The gravel is laid on the walk to a depth of 9 inches. How much will it cost to cover the walk?
8. What is the value of £132 sterling in Canadian money? What the value in Sterling of \$132? What is $\frac{1}{4}$ of £928 7s 4d? What is 6 times £4. 3s. 7d. in Canadian Dollars?
9. A can do a piece of work in 6 days, B in 9 days, C in 7 days. How long will it take them, all working together to do $\frac{1}{3}$ of the piece of work. (Answer must be the exact fraction of a day).
10. When $a=2$; $b=3$.
Evaluate: (a) $4(b-a)(a^3+3b)-2(3b^2-a^3)+2(a^2+2b^2)$
(b) $\sqrt{5(b+a)} + \sqrt{7(b^3-a^3)} + 11$.