

lowing \$5½ for his keep while he owned him, how much did he gain by the transaction?

9. If a man's income is £400 a year, how much can he spend on an average each day and still save £50 10s. 4d. in the year?

10. Find the G. C. M. of 460, 1035, 1150. Value 100. Any eight correct solutions will be considered a full paper.

Entrance to Fifth Class.

Time—2 hours.

1. How many lots containing 1 rood, 17 perches 3 yards can be surveyed out of 100 acres of land?

2. Divide $\frac{3\frac{1}{2}}{7\frac{1}{2}}$ of $\frac{12-3\frac{1}{2}}{3}$ by .036 giving the quotient as a decimal.

3. Express the time which elapsed between 5 p. m. on the 3rd of January last and 11 a. m. to day (March 25th) as a decimal of a year (365 days.)

4. If it require 4,900 yards of cloth 1½ yds. wide to clothe 2,900 soldiers, how many yards of cloth ¾ yard wide will suffice for 6,000 soldiers?

5. What is the value of 5 tons 3 cwt. 17 lbs. of barley and 3 tons 1 cwt. 13 lbs. of wheat, the barley being worth 75c. per bushel and the wheat 1¼ times as much per bushel as the barley?

6. The water in a cistern 4 feet deep, 5 feet long and 3 feet wide weighs 3,750 pounds; a gallon of water weighs 10 pounds; how many cubic inches in a gallon?

7. What is the value of 21 acres 3 roods 13 perches of land at \$67.75 per acre?

8. I gain \$2.50 by selling 5 bushels of clover seed at the rate of 61½c. for 5 quarts; what did it cost me per bushel?

9. Express .75 of £16 12s. 8d. as a decimal of £14 17s. 6d.

10. A can do a piece of work in $\frac{5}{8}$ of a day; B in $\frac{3}{4}$ of a day, and B and C together in $\frac{3}{4}$ of a day; in what time would A and C together do it?

Value 100. Any eight correct solutions will be considered a full paper.

Entrance to Sixth Class.

Time 2 hours.

1. Bought Bank of Montreal stock at 186. If an annual dividend of 8% is declared, what rate of interest do I receive on my investment?

2. For how much must I draw a note for 8 months on which I can raise at a bank \$4,660.50; rate of discount being 7%?

3. What amount of stock in a company at 10¼% below par could be bought for \$1,342.50?

4. Dominion Government stock 5% is quoted at 107, and the City of Toronto 6% at 110. Which would be the better investment, and what would be the difference in the annual income from \$200 invested in each?

5. A rectangular field whose length is four times its breadth contains 10 acres; find its perimeter.

6. What will \$280 amount to in 3½ years at 7%, compound interest?

7. Find the value of $.00185 \times .07 \div 3.024$.

8. How many times larger is a spherical ball 4 inches in diameter than one 3 inches in diameter?

9. If it cost £15 15s. to make a cubical cistern, open at the top, with lead, at 1s. 9d. per sq. foot, inside measurement, how many gallons will the cistern hold?

(The Imperial gallon contains 277.274 cub. in.)

10. If A's income be 150% more than B's, how much per cent. is B's income less than A's?

Value 100. Any eight correct solutions will be considered a full paper.

Entrance to Senior Third Class.

GEOGRAPHY.

Time—1 hour.

1. Name all the rivers, bays, lakes, &c., through which the waters of Lake Simcoe pass on their way to the sea. Value 8.

2. Give the boundaries of the County of Huron. Value 4.

3. How do boats pass from Lake Ontario to Lake Erie? Value 4.

4. Define ocean, bay, continent, and peninsula. Value 4.

5. What and where are British Columbia,