

each containing 56 bu. and 20 lbs. at \$0.56 $\frac{1}{2}$ per bu.

7. Find the interest \$712.40 for 2 $\frac{1}{2}$ years at 2 $\frac{3}{4}$ per cent.

8. Divide .01295 by .123

9. Divide $\frac{1\frac{3}{4}}{4\frac{1}{2}}$ by $\frac{2\frac{1}{3}}{2\frac{1}{4}}$.

10. A cistern has 3 pipes which will fill it in 10, 20, and 40 minutes. In what time will the three pipes running together fill it?

Values—10 each. Time—2 hours. Full work required.

Entrance to Sixth Class.

ARITHMETIC.

1. Find the sum, difference and product of 3.456 and .425.

2. What would be the proceeds of a note of \$150.00 for 90 days, bank discount being 8%?

3. A owes B \$300, to be paid as follows; $\frac{1}{3}$ in three months, $\frac{1}{4}$ in 4 months, and the rest in 6 months; what is the equated time.

4. \$500.

Stratford, 25th March, 1879.

Seventy days after date, for value received, I promise to pay W. E. Jones, or order, five hundred dollars with interest at the rate of eight per cent. per annum, till paid.

JAMES SMITH.

Endorsements: April 15th, 1879, \$95; May 2nd, 1879, \$140. What is to pay when the note is due?

5. What must be paid for stocks paying 5 per cent., that the investment may return 8%?

6. What sum must be invested in stocks at 112 paying 9 per cent. to obtain a yearly income of \$1260?

7. I sold a horse for $\frac{1}{2}$ of 25 $\frac{3}{8}$ times the cost; what was the gain per cent?

8. A pond of five acres is covered with ice 9 inches thick. Find the weight of the ice in tons, if a cu. ft. of ice weigh 865 oz. Avoir.

9. Find the square root of .00734449.

10. What must be the side of a square which shall contain 10 acres?

Values—10 each. Time—2 hours. Full work required.

Entrance to Senior Third Class.

GEOGRAPHY.

Values;

14 1. Name all the Canadian rivers flowing into the Georgian Bay and Lake Ontario.

3 2. What provinces lie between Manitoba and New Brunswick.

6 3. In what county is each of the following towns:

Cobourg, Simcoe, Brampton, L'Original, Cayuga, Perth?

6 4. What large body of fresh water lies northward from where you are now sitting? What lake to the south?—to the west?

5 5. Bound the Province of New Brunswick and the County of Wellington.

6 6. What townships lie between Wallace and Fullarton?

3 7. What Railways would you travel over in going from Listowel to Barrie?

4 8. Name four small lakes within the Province of Ontario.

50 Time—1 hour.

Entrance to Fourth Class.

Values.

GEOGRAPHY.

10 1. Name all the great lakes of North America.

8 2. Give the boundaries of British Columbia and South America.

4 3. At what place north of the equator do the Atlantic and Pacific oceans approach each other most nearly?

5 4. Name five large cities in the United States.

8 5. Name eight large rivers in South America.