remained?

University of the State of New York

75TH EXAMINATION

ARITHMETIC

Tursday, Jan. 20, 1891-9:15 A. M. to 12:15 P. M., only

48 credits, necessary to pass, 36
1. Define division. Tell when the quotient is abstract; when cor
crete; give an example of each case.
2. Write (a) the largest integral number that can be expressed by
three figures; (b) the smallest. Write the name of the first period
at the right of the decimal point.
3. Why is the change of the decimal point two places to the left
equivalent to dividing the number by 100?
4. Divide 1.2 by .0025 and subtract the divisor from the quotient, 3
5. A had one farm of 104 A 117 sq. rds; another of 87 A 78 sq.
rds. He reserved 401 A and divided the remainder equally among
his three sons. What was the share of each?
6. What will be the cost of a board 12 feet long and 16 inches
wide at \$30. a thousand feet?
7. What is the value of a pile of wood 12 ft. long, 8 ft. wide and
6 ft. high at \$4.50 a cord?
8. What premium should be paid for insuring, at 13%, 871% of
a boat load of corn valued at \$1800?
9. If 12½ yds. of dress-goods ¾ yd. wide will make a dress, how
many yards of cambric, 13 yds. wide, will be required to line one- half of it?
10. A collector charges me 8% commission for collecting debt of
\$775. How much do I receive?
11. A note of \$350 for three months was discounted by a bank
at 6%. How many pounds of wool at 35 cents a pound, can be
bought with the proceeds?
12 If 4 men dig a trench 84 ft. long and 5 ft. wide in 3 days of 8
hours each, how many men can dig a trench 420 ft. long and 3 ft.
wide in 4 days of 9 hours each?
13. If \$6\frac{1}{8} will buy 7 books how many books will \$10\frac{1}{2} buy? Solve
by analysis and give the analysis in full.
14. Find the square root of .00053361.
15 Ti 1 the cube of (a) 91 () 106
16. From 2.75 metres of cloth were cut 9 decimetres; how much