12 A dealer sold an automobile and took in payment a note for $1500, without interest; he had the note discounted at a bank at 6% sixty days before maturity. How much did he receive from the bank?  [10]

13 The shorter side of a rectangular lot measures 5 rods and the diagonal 13 rods; how many rods does the longer side measure?  [10]

14 At 78 cents a square yard, how much will it cost to cover with cloth the top and the four sides of a box 3 feet long, 18 inches wide and 12 inches deep?  [10]

15 Find the area of a table top, circular in form, with a diameter of 7 feet.  [10]
ARITHMETIC MENTAL TEST

[Eight minutes allowed for this test]

Tuesday, June 17, 1919—9.15 a. m. to 12.15 p. m.

Answer all parts of this test. Write each answer on the line marked Ans. No credit will be allowed unless the answer is correct.

a A boy bought marbles at the rate of 5 for 1 cent; how much did he pay for 100 marbles?  [2]

Ans. _________________

b If cloth is bought for 75 cents a yard and sold at a profit of 20%, what is the selling price a yard?  [2]

Ans. _________________

c If a woman bought \( \frac{3}{4} \) of a yard of ribbon for 36 cents, what was the price a yard?  [2]

Ans. _________________

d How many bushels of potatoes are there in 8 bags if each bag contains 2\( \frac{1}{4} \) bushels?  [2]

Ans. _________________

e How many inches are there in \( \frac{1}{4} \) of a yard?  [2]

Ans. _________________