11 Find the simple interest on $450 at 5% from July 1, 1920, to March 17, 1921. \[10\]

12 On January 1, 1920, the weekly pay roll of a certain corporation was $45,000; on May 1 all wages were advanced 20%; on December 1 the increased wages were cut 16⅔%. Find the amount of the final pay roll. \[10\]

13 Find the side of a square field that has the same area as a rectangular field 81 rods long and 64 rods wide. \[10\]

14 If a candidate for office receives 16,353 votes in 237 election districts in a certain city, state how many votes he may be expected to receive in the whole city which has 789 election districts, assuming the vote to be uniform throughout the city. [Solve by proportion.] \[10\]

15 Copy five of the following incomplete sentences and make them into true statements by filling in the blanks with the correct words: \[10\]

a The number that is to be divided by another number is the \[\text{dividend}\]

b One or more of the equal parts of a unit is called \[\text{a fraction}\]

c The result obtained by division is the \[\text{quotient}\]

d The amount that is paid to an agent for doing business for another is the \[\text{commission}\]

e Those numbers which multiplied together produce the given number are the \[\text{factors}\]

f Money that is paid for the use of money is \[\text{interest}\]

g The one who makes a note is the \[\text{drawer}\]
ARITHMETIC MENTAL TEST

[Fifteen minutes allowed for this test]

Tuesday, June 14, 1921 — 9.15 a.m. to 12.15 p.m.

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

a A boy bought 5 five cent postage stamps, 6 two cent stamps and 15 one cent stamps; what change did he receive from a dollar?  [1]
   Ans.

b Find the cost of 16 books at 62½ cents each.  [1]
   Ans.

c If I reach the station 15 minutes before the time when the train is due to leave and the train is 3 of an hour late, how long must I wait to take the train?  [1]
   Ans.

d How many pieces, each ¼ of a yard long, can be cut from a strip of cloth 5½ yards long?  [1]
   Ans.

e What is the interest on $600 for 8 months at 6%?  [1]
   Ans.

f A certain baseball team won 12 games and lost 3 games; what per cent of the games played did the team win?  [1]
   Ans.

g What would be the cost of 2 pounds 8 ounces of beefsteak at 32 cents a pound?  [1]
   Ans.

h Find the cost of a load of coal weighing 3000 pounds net at $14 a ton.  [1]
   Ans.

i Shoes are bought for $5 and sold for $7; what is the gain per cent?  [1]
   Ans.

j A merchant marks a suit of clothes $80 and afterward at a sale reduces the price 40%; what is the sale price?  [1]
   Ans.