8 If a tank 12 feet long and 7 feet wide contains 1890 gallons of water, what is the depth of the water? [1 cubic foot = 7 1/2 gallons] [10]

9 A commission merchant sold for a farmer 350 bushels of potatoes at $3.75 a bushel. The rate of commission was 5%. The freight and other charges amounted to $35. How much per bushel did the farmer receive? [10]

10 Make out a receipted bill such as John Smith, a tailor, might send to Mary L. Brooks for the following: 7 yards serge @ $1.50; 4 yards satin @ $1; 1 1/2 yards canvas @ 20¢; 1 1/4 yard wadding @ 16¢; 1/2 dozen buttons @ $1 a dozen; making suit $15. [10]

11 What sum of money must a man invest at 5 1/2% to secure an annual income of $2100? [10]

12 A sidewalk 138 feet long and 5 feet wide was laid in front of a building lot; the price was 14¢ a square foot. If the city paid 60% of the expense and the owner of the lot paid the remainder, how much did the walk cost the owner? [10]

13 The assessed valuation of the property of a town is $1,875,000; if the total tax to be raised is $7500, how much will a property owner whose assessment is $1300 be required to pay? [10]

14 A pupil's report card shows the following standings:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arithmetic</td>
<td>85</td>
</tr>
<tr>
<td>Spelling</td>
<td>100</td>
</tr>
<tr>
<td>Geography</td>
<td>80</td>
</tr>
<tr>
<td>English</td>
<td>75</td>
</tr>
<tr>
<td>Physiology</td>
<td>70</td>
</tr>
<tr>
<td>History</td>
<td>95</td>
</tr>
</tbody>
</table>

Find correct to one decimal place the pupil's average standing. [10]

15 If 14 barrels of flour last 9 weeks, how many weeks will 24 barrels last? [10]
ARITHMETIC MENTAL TEST

[Eight minutes allowed for this test]

Tuesday, June 19, 1917 — 9.15 a. m. to 12.15 p. m.

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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 If a man is paid $3.20 for 8 hours' work, at the same rate how much should he receive for 11 hours' work? [2]

   Ans. ____________________

b When flour is selling for $12.60 a barrel, what part of a barrel of flour can be bought for $3.15? [2]

   Ans. ____________________

c If 5 men can paint a bridge in 10 days, how long will it take 10 men to do the work? [2]

   Ans. ____________________

d How many rods of fence will be required to inclose a field 60 rods long and 50 rods wide? [2]

   Ans. ____________________

e How many quart bottles are needed to hold 31\frac{1}{2} gallons? [2]

   Ans. ____________________