

ARITHMETIC

Tuesday, June 15, 1909—9.15 a. m. to 12.15 p. m., only

Answer to questions. No credits will be allowed unless all operations necessary to find results are given. Reduce each result to its simplest form and mark each answer Ans.

- 1 A farmer had four loads of hay weighing respectively 1875 pounds, 2013 pounds, 2092 pounds, 1283 pounds; he sold the hay at \$13 per ton. How much did he receive for it?
- 2 Write a promissory note and tell for what it is used.
- 3 A merchant bought notebooks at \$1.20 per dozen and sold them at 15¢ apiece; what per cent did he gain?
- 4 A certain man placed money in a bank as follows: January 1, \$82.55; February 3, \$98.79; February 21, \$79.89; March 2, \$82.79; May 3, \$937.49; June 1, \$329.59; July 3, \$492.89; July 29, \$193.75; August 2, \$849.76; August 15, \$593.29. He drew from the bank the following amounts: May 8, \$92.75; June 15, \$129.83; July 6, \$19.75; August 5, \$399.50; September 5, \$398.65. How much money has he still in the bank? [No credit will be given unless the answer is correct.]
- 5 Mr Anderson borrowed \$750 May 15, 1908, and agreed to pay it June 3, 1909, with interest at 6%. What was the total amount of his debt June 3, 1909?
- 6 Make, in correct form, a receipted bill showing the following items purchased by John Smith of C. F. Adams, May 31, 1909, and paid for June 15, 1909: 10 pounds of butter at 32 cents per pound; 6 cans of corn at 16 cents per can; 1 pound of tea at 60 cents per pound; 3 dozen eggs at 35 cents per dozen.
- 7 A merchant bought goods listed at \$3587.50 from which the following discounts were allowed: 10%, 5% and 6%. What did the goods cost him?
- 8 Multiply 5960 by 12½. Divide 644.4250 by .00865. [No credit will be given unless the answers are correct.]
- 9 How much tax must a man pay who owns a house assessed at \$3945, a store assessed at \$8750 and a factory assessed at \$29,500, if the tax rate is \$2.35 per thousand?
- 10 A man owns a field 330 ft long and 132 ft deep (wide). (a) How many acres are there in the field? (b) Into how many lots 33 ft front by 132 ft deep can it be divided? (c) Draw a diagram to show the division of this field into lots.
- 11 Three men, A, B and C, on entering into partnership invested respectively \$1800, \$2500 and \$4000. The net profits at the end of the first year amounted to \$413. How much should be the share of each?
- 12 How much more would it cost to build a fence around a square lot whose side is 40 rods than around a circular lot whose diameter is 40 rods, if the fencing costs \$1.00 per yard?