8 A contractor employed in the construction of a park is allowed $18.50 per square yard for seeding and grading and $12.50 extra per square yard for removing the stone. What will he receive for the job if the park is 480 feet wide and 600 feet long?  [10]

9 A man paid $8000 for a house. He rents it for $90 per month. Taxes average $160 per year and other expenses $120 per year. What per cent of his investment is his net income?  [10]

10 A fruit dealer bought 500 bushels of apples at $1.50 per bushel. After repacking them, he sold them for $6 per barrel. Each barrel holds 2 1/2 bushels. How much was his profit?  [10]

11 The Hollister (N.Y.) Free Library buys today of Gordon Bros., Buffalo, N.Y., the following goods:

- 2500 catalog cards at $4.50 per M
- 4500 date slips at $1.40 per M
- 500 book pockets at $7 per M
- 30 pamphlet binders at $1.80 per dozen
- 4 stamp pads at $.35
- 12 magazine binders at $5.20 per dozen

Make out the bill [8] and receipt it [2].

12 If a vertical rod 6 feet high casts a shadow 4 feet long, what is the height of a flagpole which at the same time casts a shadow 28 feet long?  [10]

13 A merchant accepts a 60 day note for $350 bearing interest at 6%. Two weeks later he takes it to the bank to be discounted. What are the proceeds?  [10]

14 A dealer bought 4 loads of hay at $22.75 a ton. The loads including the wagon weighed respectively 4156 pounds, 4720 pounds, 4384 pounds and 4460 pounds; the wagon weighed 1180 pounds. What was the cost of the hay?  [10]

15 The pump of a city pumping station can pump 3,600,000 gallons of water in 24 hours. The pump is operated on an average 14.5 hours a day. The population of the city is 15,000. Determine the average number of gallons of water pumped every day for each resident of the city.  [10]
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. Jack deposited $60 in the bank at one time and $15 at another. He drew out $12 at one time and $28 at another. How much had he left in the bank? [1]

Ans.

b. At $14 a ton what will 1000 pounds of coal cost? [1]

Ans.

c. Subtract \( \frac{5}{8} \) from \( 1\frac{1}{8} \). [1]

Ans.

d. Kate buys 18 oranges at 50 cents a dozen; how much change should she receive from a $2 bill? [1]

Ans.

e. Robert spent \( \frac{3}{8} \) of his money and had 60 cents left; how much had he at first? [1]

Ans.

f. A man bought a police dog for $50 and sold it for $75. What per cent profit did he make? [1]

Ans.

g. Fred has 12 hens that laid 960 eggs in one season. What was the average number of eggs per hen? [1]

Ans.

h. Of 44 pupils that took examinations 75% passed. How many failed? [1]

Ans.

i. A man borrowed $500. How much interest did he pay on the loan in 4 years at 5%? [1]

Ans.

j. Estimate the answer to the following problem without working it out: If the distance from Albany to Buffalo is 297 miles and the railroad fare is 3.6 cents per mile, find the cost of a ticket from Albany to Buffalo. [1]

Ans. About