1. If the remainder, dividend and quotient be given, how may the divisor be found? Give an example 6
2. 500 bales of cotton weighing 400 pounds each at 6 cts. a pound, were exchanged for nails at 5 cts. a pound; how many kegs of 100 pounds each were given. Solve by cancellation 6
3. If 3 horses eat 3 bushels of oats in 2 days how many horses will eat 20 bushels in 8 days? (Solve by analysis and write analysis in full) 6
4. If 43 2/3 yards of carpet cost $26 1/2 and 3/4 of the whole is sold at a gain of $4 3/4 on each yard, how much is received for what is sold? 6
5. How many paving stones 6 in. by 8 in. will pave a street 270 ft. by 50, and how much will it cost at 9 cents each? 6
6. Two telegraph stations are 18 miles, 40 rods, 44 yards apart. If the telegraph poles between them are 8 rods apart how many poles will be needed and how much will they cost at 20 cents apiece? 6
7. Write the table for dry measure 2
8. George Thomas buys of Timothy Marsch for cash, June 1, 1890, 15 lbs butter at 25 cents; 20 lbs rice at 8 cents; 6 lbs. raisins at 20 cents. Make a bill of the above and receipt it for Marsch 10
9. A certain house will sell for $5500. Is it better for the owner to rent the house for $550 a year, paying taxes $100 and repairs $50 a year, or to sell the property and invest the money at 5 1/2%? 6
10. In what time will $1500 at 6% gain $217.50, simple interest? 6
11. How many oranges bought at the rate of 20 for 25 cents must be sold for $7, which includes a gain of 40 per cent? 6
12. At what price must 8% stock be bought to produce an income of 34 3/4% on the amount invested? 6
13. Find the date of maturity and face of a note at 4% per cent, dated Dec. 2, 1889, which discounted at bank will give as proceeds $11,814 6
14. An agent received $1610 with which to buy goods. He pays $11 cartage and receives 2% per cent commission on the amount purchased. Find the amount purchased 6
15. A, B & C hired a pasture together for $100. A pastures 300 sheep; B 420 sheep, and C pays 1/3 the rent. How much of the rent must A and B each pay, and how many sheep does C put in? 6
16. A pole 180 feet high casts a shadow 135 ft. long. Find the distance from the top of the pole to the end of the shadow 6
17. Give the name of the unit of weight and the name of the unit of volume in the metric system 4