

April 10-11, 1930

Friday, 9:00-10:45 A. M.

1. A school room measures 28 ft. by 40 ft. by 16 ft. How many cubic feet of air space are there for each of the 39 pupils and their teacher?
2. If 200 hens lay an average of 150 eggs a day, what is the profit for the month of March from 500 hens, eggs selling at 43c a dozen and the cost of each hen being 12c a week?
3. A salesman is offered a choice of a salary of \$3000 or one of \$2000 with 5% commission on sales. If he accepts the latter offer and sells \$100,000 worth of goods in a year, does he gain or lose by his choice, and how much?
4. When you are "listening in" on a program from San Francisco at 7 P. M. at your home, what is the time in San Francisco?
5. Find the cost of covering a kitchen floor 12 ft. by 13½ ft. with linoleum 4 yards wide, at \$1.60 a yard, the linoleum being laid lengthwise in the room.
6. A Board of Education allows a school \$100 for purchasing books. 30% is spent for general reference books, 30% for Pupils Reading Circle books, 20% for supplementary readers, and the remainder for Parents Reading Circle books. How much is spent for each class?
7. At what speed must an automobile travel to go from Charleston to Morgantown, a distance of 224 miles, in 6 hours and 25 minutes.
8. A county has an assessed valuation of \$50,-687,524. It must raise \$125,000 to build roads. What is the rate of levy? What is James Hill's road tax if he is assessed at \$11,415?
9. From .3 subtract .001; multiply the remainder by 500; divide the product by .01 and write the answer in words.
10. What is the difference between a discount of 15% and 5% on a bill of \$2000 and a discount of 5% and 15% on the same bill?