

709. What is the compound interest of \$1,250, for 2 yr. 3 mo. 24 da., compounded annually, at 6 per cent?

710. What is the bank discount on a note for \$556.27, payable in 60 days, discounted at 6 per cent.?

711. Two merchants entered into partnership. One puts in \$5,000 and the other \$2,000. The partner that puts in the less sum is to receive \$300 extra from the proceeds for his superior knowledge of the business. They gain \$4,725: what is the share of each?

712. What is the 3d power of 8.628?

Examination XXXI. Nov. 9, 1876.

713. How many figures are in each of the periods into which numbers are divided for reading?

714. Name the first four periods of integers, and the first three orders (or places) of decimals.

715. Write in figures the number: One million one thousand one hundred and one.

716. Write in figures the numbers: Forty-seven, three hundred and fifty thousandths, forty-two millionths, two hundred and twenty-three billionths.

717. Multiply 732.53 by 37.846.

718. Divide 6052.74 by 4.379.

719. Bought a box of soap containing 70 lbs. Keeping it all summer, it dried away $\frac{1}{3}$, when I sold

it at $8\frac{2}{3}$ cts. per pound. I gave 7 cts. per pound. Did I make or lose? How much?

720. If 20 men require $7\frac{1}{2}$ bbl. of flour for their subsistence five months, how much will 30 men require for a year?

721. What is the value of $\frac{1}{11}$ of $\frac{1}{12}$ of a vessel, if a person who owns $\frac{2}{11}$ of it sells $\frac{1}{2}$ of $\frac{7}{8}$ of his share for \$1,750?

722. Write the following numbers in the decimal form, and then add them: $6\frac{1}{4}$, $12\frac{1}{2}$, $5\frac{2}{3}$, $6\frac{1}{3}$, $\frac{3}{5}$, $\frac{3}{4}$.

723. Multiply 5 da. 15 hr. 13 m. 20 s. by 341.

724. Allowing a person to perform a certain journey in $13\frac{1}{2}$ days, by travelling 10 hours a day, in what time ought he to perform the journey if he travel $11\frac{1}{4}$ hours per day?

725. What is the cost of a load of hay weighing 1,875 lb., at \$12.50 per ton (2000 lbs.)?

726. What ought eggs to be per pound, when they are selling at $18\frac{3}{4}$ cts. per dozen, if they average $9\frac{1}{2}$ eggs to a pound?

727. How many cords in three piles of four ft. wood, the first 36 ft. long and 4 ft. high, the second 42 ft. long and 5 ft. high, and the third 20 ft. long and 6 ft. high?

728. What would it cost to enclose a square lot containing 160 acres, with a fence costing at the rate of \$4 per rod?

729. A note of \$65.80, dated Feb. 20, 1868, and bearing interest at 7 per cent., was paid June 25, 1870: what was the amount paid?

730. What is the amount of \$152 at semi-annual

compound interest for 2 years, at 6 per cent. per annum?

731. What is the annual premium on a policy which insures a house worth \$12,000 for $\frac{5}{8}$ its value, at $\frac{1}{2}$ per cent.?

732. Amount \$102.81, on \$74.50, at 10 per cent. What is the time?

Examination XXXII. March 1, 1877.

733. Name the first six periods in numeration.

734. Express in figures: one trillion six thousand.

735. 1 million 400 thousand and 50+15 hundred+25 thousand+120 thousand 6 hundred and 14=?

736. The subtrahend is 2603.46, and the remainder is 72.804: what is the minuend?

737. The factors of a number are 7300.96 and 5.006: what is the number?

738. The dividend is 39314.76, and the quotient is 7,071: what is the divisor?

739. What operations may be performed on the terms of a fraction without altering its value?

740. If the numerator be equal to the denominator, what is the value of the fraction?

741. How does multiplying the numerator affect the value of a fraction?

742. How does multiplying the denominator affect the value of a fraction?

743. Change $12\frac{1}{2}$ to an improper fraction.

744. Reduce $\frac{2}{3}$ of $\frac{4}{5}$ of $\frac{7}{10}$ of 15-17 to a simple fraction.