

Examination XIX. Nov. 7, 1872.

433. Write in figures: twenty quintillions two hundred and seven billions six hundred millions six thousand and fifty-nine.

434. Express in words: 224000000600317010.

435. Add 100375, 406780, 4673005, 4112, 18365791, 2478, and 164357.

436. Find the sum (in Roman notation) of LXVI, MDXIX, CCIV, XVIII.

437. The factors of a certain number are 53, 7, 5, and 107: what is that number?

438. 246515999541 divided by 28653 = what?

439. What are the prime factors of 6006?

440. What is the greatest common divisor of 2263 and 344?

441. Find the least common multiple of the 9 digits.

442. Reduce $\frac{3}{8}$, $\frac{4}{15}$, $\frac{1}{2}$, and $2\frac{1}{7}$, to equivalent numbers having the least common denominator.

443. What would be the whole cost of four fields, containing respectively, $4\frac{1}{7}$, $2\frac{1}{2}$, $3\frac{3}{8}$, and $1\frac{1}{8}$ acres, at \$25 an acre?

444. Reduce $\frac{3}{7} \times \frac{7}{8} \times \frac{5}{6} \times \frac{4}{11} \times \frac{1}{2} \times \frac{6}{7} \times \frac{2}{3}$, to a single fraction of the lowest terms.

445. If a man makes $\$1\frac{1}{2}$ on the sale of one table, how many tables must he sell to make $\$27\frac{1}{2}$?

446. A. Barnes, of Lee, sold B. Brown the following articles: April 1, 1872, 24 yd. black silk, at \$2.25 a yd.; April 3, 2 pieces calico, 40 yds. each, at 30 c. a yd.; May 2, 4 dress patterns, at \$6.75 a pattern; May 9, $22\frac{1}{2}$ yd. linen, at \$1.12 a yd. Brown

paid \$55 on account. Make out his bill in proper form, showing balance due.

447. At 35 c. per sq. yd., what would it cost to plaster a wall 15 ft. high and 54 ft. long?

448. How much wood in three piles, the first of which contains 10 cd. 6 cd.ft. 4 cu.ft., the second, 12 cd. 12 cu.ft.; the third, 17 cd. 1 cd.ft?

449. Divide the sum of five thousand and two thousandths, by two hundredths.

450. \$10 is 12 per cent. of what number?

451. What is the amount of \$2,160 from March 10 to Dec. 1, at 5 per cent?

452. How much must be invested at 7 per cent. simple interest, to yield an annual income of \$630?

453. A note for \$1,800, payable in 60 days, was discounted at bank at 6 per cent.: how much did the holder receive?

454. What cost 9 hats, if 5 hats cost £4,5s?

455. If the wages of 6 men for 14 days are \$126, what, at the same rate, would be the wages of 9 men for 16 days?

456. Extract the square root of 6.5536.

Examination XX. Feb. 27, 1875.

457. Write in words the number represented by the figures: 20463162486135.

458. Express in figures: fifty-seven billions fifty-nine millions ninety thousand and forty-seven.