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 ce. 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.

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Examination XX. Feb. 27, 1873.

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.
459. Add

\[
\begin{array}{c|cccc}
& 13 & 9 & 4 & 11 \\
\hline
\text{Regents' questions.} & 7 & 6 & 2 & 5 \\
& 2 & 0 & 1 & 5 \\
& 6 & 1 & 8 & 10 \\
& 5 & 4 & 8 & 7 \\
& 1 & 0 & 2 & 6 \\
& 9 & 0 & 0 & 8 \\
& 1 & 0 & 9 & 9 \\
\hline
5 & 6 & 3 & 2
\end{array}
\]

460. From 501505010678 take 794090589.

461. Multiply ninety thousand eight hundred and seven, by nine thousand one hundred and six.

462. 18 A. 0 R. 14 p. equal how many square feet?

463. 31557600 seconds equal how many days?

464. From 61 S. 15° 36' 15" take 53 S. 18° 50' 18".

465. If 84 loads of hay weigh 201 T. 6 cwt. 0 qr.

12 lb., what will 5 loads weigh?

466. What are the prime factors of 19965?

467. Find the least common multiple of 3, 4, 5, 6, 7, 8.

468. Reduce \( \frac{5}{7} \times \frac{3}{15} \times \frac{4}{6} \times \frac{8}{4} \times \frac{11}{5} \) to a simple fraction of the lowest terms.

469. Reduce \( \frac{4}{3}, \frac{2}{5}, \frac{1}{6}, \frac{4}{7}, \frac{8}{9}, \) and \( \frac{1}{5} \) to equivalent fractions having the least common denominator.

470. What is the sum of \( \frac{4}{7}, \frac{5}{6}, \frac{3}{8}, \) and \( \frac{1}{5} \)?

471. Divide 116\( \frac{3}{7} \) by 14\( \frac{1}{4} \). (Give the answer as a mixed number, with its fraction of the lowest terms.)

472. Reduce \( \frac{4}{7} \) of a grain to the fraction of a pound Troy.

473. Paid $4,355.52 for 49\( \frac{6}{7} \) pieces of carpeting: what would 37\( \frac{5}{6} \) pieces cost, at the same rate?

474. Multiply eighty-seven thousandths by fifteen millionths.

475. What decimal fraction is equivalent to \( \frac{7}{8} \)?

476. What is 5 per cent. of $789?

477. What is the interest of $1,165.50, for 5 yr. 3 mo. 9 d. at 7 per cent?
478. What is the bank discount on $780 for 30 days?

479. If A. travels 117 miles in 15 days, employing 9 hours a day, how far would he travel in 20 days, travelling 12 hours a day (at the same rate per hour)?

480. What is the square root of 23804641?

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**Examination XXI. June 5, 1873.**

481. Write 1873 in Roman characters.

482. What is Notation?

483. Write in words: 9008007006

484. To what number must 962 be added three times to make 8472?

485. $9,843.621 + $4,687.32 + $84.321 + $.07 + $.64 + $973.241 = ?

486. Reduce 53684" to numbers of higher denominations.

487. Reduce .8975 of a week to whole numbers of lower denominations.

488. What cost 10 3/4 tons of coal, at $7 5/6 a ton?

489. \(108 + \frac{1}{7} \times \frac{7}{11} - \frac{2}{3} = ?\)

490. Find the least common multiple of 12, 16, and 28.

491. Reduce \(\frac{1}{8}, \frac{1}{7},\) and \(\frac{5}{6}\) to the least common denominator.

492. A cubic foot of granite weighs 163 lb. 5 oz.; what is the weight of a block 3 ft. 2 3/4 in. long, 2 ft. 4 in. wide, and 1 ft. 3 in. thick?