

ANAGRAM.

Fiel st thu a pyrellisp petac,
Tas thiw belaruto rakid ndn pede ;
Nac ouy usttr em Culy edra,

P. S. SATBHNUEA.

The following exercise for correction in Orthography, was recently given to candidates for the position of Principal in the Chicago schools.

"Preferring the kornelion hues, and sepperateing the innuendos, I will simply state that a peddlers poney ato a potatoe out of a waggin whilist its owner anounst that ho was a traveller, and havi for sale Jewellery, stashionary and every conseavible article of dry goods, and confest considerable embarasment, as ho was not only nearly phrenzied but was almost sick with an eggzajgerated attack of tizzic, besides his ordinary afflixion of kronik diarceer."

ENIGMA.

I am composed of eleven letters.
My 2, 4, 8 and 5, is part of the human body.
My 0, 3, 8, 7, 2, 4 and 11, is one who instructs.

JENNIE.

J. S. White sends us the following question from an old work for insertion.

One evening I chanced with a tinker to sit,
Whose tongue ran a gress: deal too fast for his wit.
He talked of his art with abundance of mettle,

ALGEBRAIC PROBLEM.

From a cask containing 256 gallons of wine, a certain quantity is drawn, and then it is filled with water, and then the same quantity of the mixture is drawn, and so on for four times, filling up with water at every draught, when 61 gallons of pure wine is in the cask. How much wine is drawn each time?

H. N. CHUTE, Aylmer, Ont.

MATHEMATICAL PROBLEM.

This problem was inserted in last number, but on account of a typographical error which was overlooked at the time, it did not admit of solution.

The circumference of an inscribed circle is 20. The hypotenuse by 22, what must the sides of the triangle be.

JOHN CAMERON,

Chatsworth.

Answers, Solutions, &c. for last No.

ANAGRAM.

Nor pass the curious tentie last,
Who o'er the lugie hangs his head.
And begs of neighbors books to read
For hence arise,
Thy Country's sons, who far are spread
Both bold and wise

THOMSON.

Correct answers from H. A. Thomas, John J. Forbes, John Cameron, J. B. Milne, Sam'l. Ranton, and H. Dickenson.

MATHEMATICAL PUZZLE.

The eagle is a gold coin of the U. S. worth \$10; consequently the answer is \$20.

Correct answers from J. C. Bennett, Allen Moyer, John Cameron, A. Murray, H. A. Thomas, John B. Milne, Sam'l. Ranton, H. Dickenson, P. S. Stenabaugh, Wm. Teskey, and Henry Baynes.

ENIGMA—ANSWER LATITUDINARIANISM.

Correct answers from J. L. Hepburn, Allen Moyer, John J. Forbes, John Cameron, M. Simpson, H.A. Thomas, John B. Milne, Sam'l. Ranton, H. Dickenson, W. J. McDonald, Wm. Teskey, P. S. Stenabaugh, Henry Baynes and R. K. Kernighan.

ARITHMETICAL PROBLEM, Ans. 36.

We have received solutions of this problem by Algebra and Position, but have received no satisfactory solution by Analysis. Cannot some of our readers send us such a solution during the coming month?

Correct answers from Allen Moyer, John Cameron, M. Simpson, H. A. Thomas, John B. Milne, Sam'l. Ranton, H. Dickenson, W. J. McDonald, P. S. Stenabaugh, Wm. Teskey and A. Murray.

ALGEBRAIC PROBLEM.

SOLUTION.

12x^2 - 55x^2 - 18x + 6x^-1 = 1(1) multiplying by 12x^2 transposing and adding 16 to each side, we get 144x^4 - 216x^3 - 15x^2 + 72x + 16 = 676 (II), extracting the square root, we get 12x^2 - 9x - 4 = 26 or 12x^2 - 9x - 30 (III) Now completing the square, and extracting the sq. root, we got 24 x = 9 +/- 39 = 48 or - 30, wherefore x = 2 or - 1 1/2 Ans.

JOHN CAMERON,

Chatsworth, Ont.

Correct answers from Obed Smith, W. J. McDonald, and A. Murray.

In proof of S. B. Ganton's solution of Mathematical Problem in September No., it was made to read "Join CP, then CP = CE." It should read then CP = PE, &c.

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