

7. Show your knowledge of syntax by notes on the following sentences: (1) We done the work before the master came. (2) Let he and I the battle try. (3) He had brought him an oyster in his hand which he swallowed at one gulp. (4) You was the smartest of the two. (5) She sings very sweet, though her voice sounds somewhat harshly.

8. (a) Write the plural of: potato, wharf, sheep, he writes. Compare: much, many, funny. Give the past tense and past participle of: blow, lie, eat. (b) Distinguish between the indicative and subjunctive moods, between the past and perfect tenses, between strong and weak verbs.

9. Write a description of either a snow storm, or a thunder storm, or give an account of an excursion.

10. Write a letter making application for a situation.

### MATHEMATICS.

[Any ten questions make a full paper. Answers without the figuring necessary to find them may be assumed to be guesses, and may therefore receive no value, even if correct.]

1. Divide 1234567890986 by 456789.

(Answer of no value unless exactly correct.)

2. Explain the terms "greatest common measure" and "least common multiple."

3. If 15 men can build a house in 30 days, how long would it take 10 men?

4. If a man can earn \$10 $\frac{3}{4}$  in one week, how long will it require him to earn \$50 $\frac{3}{4}$ ?

5. Simplify  $2\frac{1}{2} + \frac{3\frac{1}{2} - \frac{1}{4}}{3\frac{1}{2} + \frac{1}{4}} - 1\frac{1}{2}$  of  $(\frac{3}{4} - \frac{1}{4})$ .

6. Multiply 2.045 by 1.73.

7. How many sovereigns will weigh 1 pound Avoirdupois, if 1869 weigh 40 pounds Troy?

8. What must be paid now to cancel a debt of \$497.25 due 1 year 9 months hence, @ 6%?

9. The true discount on a sum of money for 3 years @ 8% is \$60; what is the compound interest of the same for the same time?

10. (a) Evaluate  $a - \left\{ \sqrt{(a+1)} + 2 \right\} + (a^{-3} \sqrt{a}) \sqrt{a-4}$ , when  $a=8$ .

(b) Divide  $x^6 - 2x^3 + 1$  by  $x^2 - 2x + 1$ .

11. (a) Simplify  $2a - [3b + (2b-c) - 4c + \{ 2a - (3b-c-2b) \}]$ .

(b) Divide  $(x+y)^2 - 2(x+y)z + z^2$  by  $x+y-z$ .

### DRAWING, WRITING AND SIMPLE ACCOUNTS.

[Any ten questions make a full paper.]

1. Draw the plan of the boundary of a rectangular flower bed 6 feet broad and 8 feet long on the scale of 2 feet to the inch.

2. The three sides of a triangle are 24, 32 and 40. Construct the triangle and measure its angles.

3. Draw an ellipse whose greater diameter is three inches and the less two inches. The diameters may be drawn by instruments.

4. Draw any ornamental design you choose, original or suggested by your drawing-book.

5. Draw in outline any object which you have examined under the head of "Nature Lessons" in school or at home.

6. Write in your best hand (a) the capital letters, B, D, F, G, K, N, Q, S, W and X; and (b) the couplet

When shall we three meet again?  
In thunder, lightning, or in rain?

7. What is the use of book-keeping? Explain the object of each of the books most used.

8. John Smith pays James Brown \$25.60 on account to-day. Write out in full a receipt for the same.

9 and 10. Rule a portion of your paper for an account current or bill. Fill it in with five or six items, and receipt it as if paid.

11. Give a specimen of plain or ornamental pen printing.