3. Simplify 38 of 5 of 301 of 49 of 114.

4. If it take 14 oz. of shot for the charge of a gun, how many shots can a boy have for 1 shilling's worth of shot at 24d. a lb. How much shot will be left in his pouch after the last shot?

GRAMMAR.

"It is the first mild day of March, 1. Each minute sweeter than before ; The red breast sings from the tall larch That stands beside our door. My sister ! ('tis a wish of mine) Now that our morning meal is done, Make haste, your morning tasks resign, Come forth, and feel the sun."—WORDSWORTH.

(a) How many sentences are there in the above? Assign each to the class to which it belongs.

(b) Parse the words in italics.
2. What are the corresponding conjunctions? Give a list of

them.

GEOGRAPHY.

1. Say what you know about Astrakhan, Archangel, North Cape, the Arctic Circle, Nova Zembla, the Bay of Bengal, Point de Galle, Auckland, Dunedin, Stewart Island. 2. Draw a map of the Gulf of St. Lawrence, with Nova Scotia,

New Brunswick, and Newfoundland.

One Hour allowed for Females.

Two and a Half Hours allowed for Males.

HISTORY.

1. When and how did William I. die ? Who mherited has dominions?

2. What celebrated archbishop was assassinated in 1170? Describe the causes of that event.

3. Who ascended the throne in 1216? How came a French army to be in England at that time? How was it disposed of?

EUCLID.

(All generally understood abbreviations for words may be used; but symbols of operations, such as -, +, ×, are not admissible.)

1. Upon the same base, and on the same side of it, there cannot be two triangles that have their sides which are terminated in one extremity of the base, equal to one another, and likewise those which are terminated in the other extremity.

2. The angles which one straight line makes with another upon one side of it are either two right angles, or are together equal to two right angles.

The lines bisecting an internal and the adjacent external angle of a triangle are at right angles to each other.

PUPIL-TEACHERS AT END OF THIRD YEAR.

ARITHMETIC.

MALES.

1. What principal put out for $6\frac{1}{2}$ years at $4\frac{1}{2}$ per cont. simple interest will amount to £1.402 19s. 74d. ? 2. At what price are the Funds, when I can buy £500 worth of

Stock for £401 13s. 4d. 7

3. If a tradesman gains 2s. 9d. on an article which he sells for 11s., what is his gain per cent. on his outlay in procuring the article?

4. What percentage is (a) $\frac{1}{4}d$. of 3 half-crowns? (b) 3 poles of 3 acres? (c) 3? days of a year (of 365 days)?

5. A market woman in the morning sells her butter at 15 per -cent. profit; in the afternoon the price of butter rises 1d. per lb., and she then makes 20 per cont. profit. What did the butter cost her to buy?

FRMALES.

1. Divide £870 between A. B. and C. so that '75 of C's share

shall = 5 of A's, or = '6 of B's. 2. Multiply 3.456 by .425, and divide 2.472 by 3.4. 3. A schoolmaster divided his scholars, consisting of 221 boys and 143 girls, into the largest possible equal classes, so that each class of boys should number the same as each class of girls. Find the number of classes.

4. Express 91d. as the decimal (1) of £1, (2) of £1,000.

GRAMMAR.

1. "Picture galleries should be the workingman's paradise, to which he goes to refresh his eyes and heart with beautiful shapes and sweet coloring, when they are wearied with dull bricks and mortar and the ugly, colorless things which fill the town, the work-shop, and the factory."—Kingsley. (a) Point out the extensions of the predicate that occur in the

above.

(b) Analyze the adverbial sentence.
(c) What kind of subordinate sentences are connected with principal contences by relative pronouns? Give examples from the above and from other passages. 2. Parse each word in the following :

"Make me, that nothing have, with nothing grieved."

3. With what Latin prepositions are the following words com-pounded: accept, irrigate, comfort? (N.B.-There is no Latin preposition ac, ir, or com.)

GEOGRAPHY.

1. Draw a full map of Africa, to the cast of the 30th meridian of east longitude-that is, to the east of Alexandria on the north, and Port Natal on the south.

2. Describe fully the great mountain chains of Asia, and name the principal rivers rising in each, with the direction of their courses.

One Hour allowed for Females. Two and a Half Hours allowed for Males.

HISTORY.

1. Who were the parents of Edward VI.? Two of his uncles were beheaded; give some account of them. 2. Describe the government of this country between 1649 and

1660.

3. What was the last battle at which an English king appeared on the field?

EUCLID.

(All generally understood abbreviations for words may be used; but symbols of operations, such as -, +, \times , are not admissible.)

1. If a side of any triangle be produced, the exterior angle is equal to the two interior and opposite angles; and the three interior

angles of every triangle are together equal to two right angles. In a right angled triangle, the angle contained by the line bisect-ing the right angle, and the line drawn perpendicular to the hypo-thenuse, is equal to half the difference of the two acute angles of the triangle.

2. In any right angled triangle, the square which is described upon the side subtending the right angle is equal to the squares described upon the sides which contain the right angle.

ALGEBRA.

1. Divide $x^{15}+x^{10}$ by x^3+y^3 , and $x^4-\frac{19}{2}x^2y^3+\frac{1}{3}xy^3+\frac{1}{3}y^4$ by 1. Divergent $x^2+2xy+3y^2$. 2. Take $\frac{4x-3}{25(x^2+1)}$ from $\frac{4x+13}{25(x+2)^2}$.

- 3. Solve the equations-
 - (1) $\frac{x}{a} + \frac{x}{b} = \alpha$ (2) $\frac{1}{2}(x-\frac{3}{28})-\frac{3}{18}(1-3x)=x-\frac{1}{18}(5x-\frac{1-3x}{4})$.