

2. Having £825, I lend it at $3\frac{1}{2}$ per cent. simple interest. In how many years will it amount to £1,000, and what amount shall I have to receive at the end of 30 years, nothing having been paid in the meantime?

3. £91.6 amounts in 3.5 years to £105.302083. What is the rate per cent. per annum simple interest?

4. How must nutmegs which cost 18.75s. a lb. be sold so as to gain 16 per cent.?

5. A plumber sold 96 cwt. of lead for £109 2s. 6d. and gained at the rate of $12\frac{1}{2}$ per cent. What did the lead cost him per cwt.?

FEMALES.

1. Find the least common denominator of $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, and $\frac{1}{6}$.

2. What number added to $\frac{3}{8} + \frac{1}{2}$ will give $\frac{2}{3}$?

3. Simplify $(2\frac{3}{4} + \frac{1}{2} \text{ of } \frac{7}{3\frac{1}{2}} - \frac{1\frac{3}{4}}{2\frac{1}{2}}) 1\frac{7}{8}$.

4. If a person travelling $13\frac{3}{4}$ hours a day, perform a journey in $27\frac{1}{2}$ days, in what time will he perform the same if he travel $10\frac{1}{2}$ hours a day?

GRAMMAR.

1. "And oh, when passion rules, how rare
The hours that fall to virtue's share!"

Analyze the above, supplying what is needed in the principal sentence, and taking care in your analysis to point out the character of each sentence.

2. Give examples of conjunctions of time, and frame passages with such conjunctions introduced, to shew their use.

3. Parse each word in the following—

"The evil that men do lives after them."

GEOGRAPHY.

(Answer two questions only.)

1. Describe, as fully as you can, the physical features, chief divisions, towns, and manufactures of the Austrian Empire. What title does the sovereign bear at Vienna, and what at Buda-Pesth? Why are they different?

2. Draw a full map of the Basin of the

Ganges, marking its tributaries and chief towns, and noting the point at which the course of the Jumna is nearest that of the Sutlej.

3. Give notes of a lesson on this sentence: "*All Europeans who live in Calcutta or Madras escape to the hills, if they can, for the hot season.*"

Arrange your notes under these heads:—

(a) Who are meant by "Europeans?" and why are they in India?

(b) Where are Calcutta and Madras? Why are they unhealthy in the hot season?

(c) What is "the hot season"? And what are the causes of it?

(d) What hills can they go to? Mention any places in the hills.

One hour allowed for Females.—Two hours and a half allowed for Males.

HISTORY.

1. What was the extent in time and territory of the Roman occupation of Britain? Compare the condition of the Romans and the Britons nineteen centuries ago.

2. Mention circumstances in the internal condition of England which facilitated the Norman Conquest.

3. Describe the end of Richard II., and tell how the Crown was settled after that event.

PENMANSHIP.

Write, in large hand, as a specimen of copy-setting, the word *Versatility*.

Write, in small hand, as a specimen of copy-setting, *Stirred up by Dorset, Buckingham, and Morton, he comes.*

COMPOSITION.

Write full notes of a lesson on a desert.

EUCLID.

[All generally understood abbreviations for words may be used, but not symbols of operation, such as -, +, ×. In solving a rider, only the proposition to which it is appended, and preceding propositions, may be referred to.]

1. If two triangles have two sides of the one equal to two sides of the other, each to