

Examination Questions.

PUPIL TEACHERS' EXAM. PAPERS—Nov., 1882.

CANDIDATES.

ARITHMETIC.

MALES.

1. Find, by practice, the value of 6 tons 11 cwt. 1 qr. 24 lb. at £1 18s. 6d. per cwt.
2. If the rates on a house, of which the rent is £63, be £9 16s. 3d., what is the rent of a house on which the rates amount to £11 8s. 11d.?
3. If 24 men can build a wall in 40 days, and 6 men leave after 4 days, in how many days will the remaining men finish the wall?
4. If 8 cwt. 14 lb. be carried 30 miles for 10s. 6d., how far should 19 cwt. 2 qr. be carried for the same money?
5. If 12 men and 6 boys do a piece of work in 22 days of 8 hours each, in how many days of 9 hours each would 16 men and 4 boys do the same, 2 men doing as much as 5 boys?

FEMALES.

1. Make out the following bill :—
81 lb. tea @ 2s. 11d. per lb.
99 lb. coffee @ 1s. 7½d. per lb.
54 lb. cocoa @ 1s. 5d. per lb.
243 lb. rice @ 2½d. per lb.
31 lb. 8 oz. butter @ 1s. 10d. per lb.
63 lb. loaf sugar @ 7½d. per lb.
108 lb. moist sugar @ 3½d. per lb.
38 lb. 4 oz. bacon @ 10d. per lb.
55 lb. 2 oz. cheese at 8d. per lb.
2. Find the cost of 14,773 acres 2 roods of land at the rate of £63 10s. 6d. per acre.
3. What is the value of one thousand four hundred and ninety-one articles at £32 11s. 1d. each?
4. Find the cost of 30 cwt. 3 qr. 9 lb. 12 oz. at £16 6s. 8d. per cwt.

GRAMMAR.

1. "Two brothers once did weeping part
On the edge of the sea so blue;
The one was fair, and false of heart,
The other was gallant and true."
(a) Point out and parse all the verbs and adjectives in the above.
(b) How do you know that the words "the one" and "the other," in the above are not adjectives?
2. What kinds of adjectives admit of comparison? What do not?

GEOGRAPHY.

(Answer either Q 2 or Q. 3, not both.)

1. What is meant by the basin of a river? Illustrate your answer by referring to the basin of the Severn, describing the counties drained by it, and naming in order its principal tributaries.
2. Describe minutely a voyage from Newcastle-on-Tyne to Stirling.
3. Where are the following articles made :—Silk goods, stockings, lace, gloves, needles, porcelain? Name towns as well as counties, and describe the situation of each.

COMPOSITION.

Write from dictation the passage given out by the Inspector :
"When he emerged from the devious path | which conducted him through the thicket, | he found himself on a ledge of flat rock | projecting over one side of a chasm | not less than a hundred feet deep, | where the dark mountain stream | made a decided and rapid shoot over the precipice, | and was swallowed up | by a black yawning gulf. | The eye in vain strove to see the bottom of the fall ; | it could catch but one sheet of foaming uproar | and sheer descent, | until the view was obstructed | by the projecting crags | which enclosed the bottom of the waterfall, | and hid from sight the dark pool | which received its tortured waters."

PENMANSHIP.

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

Write, in small hand, as a specimen of copy-setting, *The Turkish preparation makes for Rhodes*.

FIRST YEAR.

ARITHMETIC.

MALES.

1. Divide $2\frac{3}{4} + 3\frac{3}{4}$ of $1\frac{1}{2}$ by $5\frac{1}{2}$ of $1\frac{1}{2} - \frac{2\frac{1}{2}}{4\frac{1}{2}}$.
2. What fraction of $\frac{6\frac{1}{2} + 5\frac{1}{2}}{5\frac{1}{2} - 4\frac{1}{2}}$ of 3s. 4d. is 2s. 10½d.?
3. Give a rule for finding the decimal point in dividing one decimal by another. Divide 29·5625 by 6·25; 295625 by 625; and 295625 by 625.
4. Express $1\frac{1}{2}$ of £1 17s. 10½d. as the decimal of £5, and find the value of 428571 of 2½ guineas.

Show that $\frac{729 \times 1345}{.027 \text{ of } 2083} = 1728$.

FEMALES.

1. A person's salary is £383 5s. for 365 days; in how many days will he have a claim for £63?
2. A bankrupt having £645 5s. 3½d. left, can pay 7s. 8½d. in the £. What is the amount of his debts?
3. If 16 men, working 8 hours a day, can reap 9 acres in 3 days, how much land can 20 men, working 6 hours a day, reap in the same time?
4. If 6 horses eat 18 guineas' worth of hay in 6 weeks, when hay is 9d. a stone, what is its price per stone when 15 horses eat £110 5s. worth in 21 weeks?

GRAMMAR.

1. "Not wholly in the busy world, nor quite
Beyond it, blooms the garden that I love ;
News from the humming city comes to it,
In sound of funeral or of marriage bells ;
Although between it and the garden lies
A league of grass, washed by a slow, broad stream,
That stirred by languid pulses of the ear,
Waves all its lazy lilies."—TENNYSON.
(a) Point out all prepositions in the above, and show what words they govern.
(b) Parse the word "that" as it is used in the second and seventh lines.
(c) Which words in the above are adverbs? Show that they are such.
2. The words *except*, *notwithstanding*, are sometimes used as prepositions, sometimes as conjunctions. Give examples of their use in each capacity.

GEOGRAPHY.

Answer either Q. 2 or Q. 3, not both.

1. Draw a full map of Russia in Europe. Insert the lines of latitude and longitude.
2. What is a river-basin? Illustrate your answer by referring to the basins of the Severn and the Danube, describing minutely the courses of those rivers, and their principal tributaries.
3. Say what you know about the government of the different countries of Europe; and explain the terms, *Absolute Monarchy*, *Limited Monarchy*, *Republic*, *Confederation*.

HISTORY.

1. How many kings named William have governed in England? Give dates of their accession and death.
2. Name the queens who have reigned in England, with the length of each reign.
3. Give names and dates of the sovereigns who reigned between 1460 and 1550.