

*9. A person buys a house and lot—the lot being worth two-fifths as much as the house—and lets to a tenant at a monthly rental of one per cent. on the cost of the property. He finds that the lot will rise 5 per cent. and the house depreciate 4 per cent. in value every year, that insurance (on four-fifths of the value of the property insured) will cost him $1\frac{1}{4}$ per cent. every three years, that his taxes will be 18 mills on the dollar, and that the assessors have valued his property at 10 per cent. less than he gave for it. What rate per cent. will he receive on the money he has invested?

*10. An invoice of British merchandise, amounting to £20,000 and subject to an *ad valorem* duty of 35 per cent., is received at New York and converted into U.S. money at the rate of \$4.844 to the pound sterling instead of \$4.8665, the true value; how much is gained or lost by the difference, and by whom?

*11. In 1837 the U.S. half-dollar was changed in weight from 208 grains to 206½ grains, and in fineness from .8924 to .900; find the least whole numbers which will show the relative values of the coins before and after the change.

*12. *A* leaves *P* for *Q*, 39 miles distant, at the same time that *B* leaves *Q* for *P*; they travel at uniform rates of speed till they meet. *B* then increases his speed one-eighth and reaches *P* in 5 hours from the time he met *A*; while *A*, after resting for an hour, proceeds at nine-tenths his former rate and reaches *Q* at the same time that *B* reaches *P*. Find the rate at which each person set out.

EDUCATION DEPARTMENT, ONTARIO.

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Third Class Teachers.

Examiners: W. H. Fraser, B.A.; J. E. Hodgson, B.A.

LATIN GRAMMAR AND COMPOSITION.

NOTE.—Candidates will take A and either B or C.

A.

1. State the general rules for (a) natural gender, and (b) grammatical gender.

2. Decline the following combinations: *partes tres, Garumna flumen, extremis finibus, privata aedificia, quibus itineribus.*

3. Give the degrees of comparison of the adverbs corresponding to the following adjectives: *longus, facilis, parvus, maximus, gravis, audax.*

4. Conjugate the verbs of which the following are parts: *incolo, fiebat, permoli, suppeteret, comburunt, perumpere, didicisse, intulerint, subvexerat, emi.*

5. Distinguish: *reliqui, reliqui; cecidi, cecidi; idem, idem; populus, populus; vni, vni; duci, duci.*

Express in Latin the following dates: March 27th, April 5th, May 10th.

7. Translate into Latin:

(a) Dumnorix married the daughter of Orgetorix.

(b) The daughter of Orgetorix married Dumnorix.

(c) Ambassadors came from the Ædui to Cæsar to ask aid.

(d) Cæsar had caused bridges to be built in order that his soldiers might cross the rivers more safely.

(e) When the general was informed of these things, he ordered the state to furnish hostages.

(f) Cicero, the most eloquent of Roman orators, was born near (*apud*) Arpinum, lived (*ago*) the greater portion of his life at Rome, but visited Greece and spent six months at Athens.

B.

Translate into Latin using direct narration:

In olden-days (*olim*) their slaves formed a conspiracy against the Scythians (*Scythae*) and joined battle. They fought a long time. At length one of the Scythians said: "What in-the-world (*tandem*) are we doing? We ourselves are being killed whilst fighting with our slaves; besides, if we kill them we shall have fewer. Therefore let us throw aside (*omitto*) our spears and arrows (*sagitta*) and take our whips (*flagellum*) and make an attack on the slaves. They think now that they are our equals, but when we have taken the whips, they will remember their bondage" (*servitudo*). The Scythians listened (*pareo*) to these suggestions (*dictum*); the slaves at-