

1. What is the standard unit of dry measure? of liquid measure? For what is dry measure used? liquid measure? Write with abbreviations the tables of each, in the common and metric systems. How many cubic inches in a bushel? in a gallon? Explain the following terms: chaldron; cental; barrel; tierce; hogshead; pipe or butt; tun; stone. What is the weight of a barrel of flour? of beef or pork? of a bushel of wheat, corn, oats, etc.?
2. What is the standard of measure by the metric system? How obtained?
3. Show the connection of all weights and measures by the metric system, and the meaning of all prefixes.
4. Show by illustrations the advantage to be gained by the use of the metric system of weights and measures.
5. Give the equivalents in Canadian measures of: the meter; kilometer; square kilometer; ar; hektar; ster; liter; hektoliter; gram; kilogram; metric ton.
6. Write with abbreviations the table of time. What is meant by a solar year? Exact length of a solar year? Why is every fourth year one day longer? How can you tell what years are leap years? What is meant by a calendar year? How many days in each month of the year? What is meant by a lunar month? Show by examples how you estimate the difference of time in years, months, and days between two dates. How in exact number of days? Show by examples the relations between longitude and time.
7. Name and give the value of each of the principal coins of England; of Germany; of France; of Spain; of Russia; of Mexico. Give equivalents in Canadian money of the sovereign; shilling; franc; mark; Mexican dollar; rouble.
8. Explain each of the following terms: dozen; gross; great gross; score; quire; ream; bundle; bale; folio; quarto; octavo; duodecimo.
9. Give original problems involving the process of the changing of compound numbers to simple numbers; the changing of simple numbers to compound numbers. Give the rule in each case.