

80 rods long, containing 10 acres ; find the number of trees.

Ans. 330.

18. A rectangular garden containing 24 square rods is 99 ft. long ; how often can a boy measure the distance around it with a six foot pole ?

Ans. 55 times.

19. I buy 60 gallons of syrup at \$1.25 a gallon, pay \$1.50 for carriage and \$4.50 for duties ; if ten per cent. of it be lost by leakage, at what price per gallon must the remainder be sold to gain by the whole transaction \$9 ?

Ans. \$1.66 $\frac{2}{3}$.

20. Bought 200 gallons of wine at \$3.00 per gallon ; paid for carriage \$20.60, for duties \$9.40. If ten per cent. of the wine be lost by leakage, at what price per gallon must the remainder be sold to gain by the whole transportation \$18 ?

Ans. \$3.60.

21. A tree 91 ft. in length broke in falling into two parts, such that $\frac{5}{12}$ of the longer piece was equal to $\frac{2}{3}$ of the shorter ; find the length of each piece.

Ans. Longer, 56 ; shorter, 35.

22. Three-quarters of John's money is double that of James's, and the two together have \$55.44 ; how much has each ?

Ans. James, \$15.12 ; John, \$40.32.

23. Find the cost of the lumber at \$16.00 per M. that will be needed for a sidewalk three-quarters of a mile long, 4 feet wide and 2 inches thick.

Ans. \$506.88.

24. What will the lumber cost at \$18 per M. that will be required to build a sidewalk a quarter of a mile and 6 feet wide, the plank being $2\frac{1}{2}$ inches thick ?

Ans. \$356.40.

25. Find the L.C.M. of 45 cents, 60 cents, \$2, \$5, \$9, \$8.40, \$12, \$14, \$21, and \$28.

Ans. \$12.60.

FOR ENTRANCE.

ANALYSIS OF SIMPLE SENTENCES.

BY P. S. HEAD MASTER.

A.

1. The noble mansions of the rich and the lowly cottages of the poor added their respective features to the landscape.

2. In another moment the livid lips and sunken eye of the clay-cold corpse recall our thoughts to earth, and to ourselves again.

3. Amid the solemn stillness of the chambers of death, imagination hears heavenly hymns chanted by the spirits of just men made perfect.

4. The beautiful river and the busy town of Marquette perpetuate the honored memory of the discoverer of the Great West.

5. The lives of these early Canadian Jesuits clearly indicate the earnestness of their faith and the intensity of their zeal.

6. By her writings and by her own personal example, Hannah More drew the sympathy of England to the poverty and crime of the agricultural laborer.

7. The cautious, old gentleman knit his brows tenfold more closely after this explanation, being sorely puzzled by the reason given.

8. Mr. Carlyle visited the leading battlefields of the Seven Years' War, while collecting material for the concluding volumes of his history.

9. The Latter-Day pamphlets assailed, with most galling invective and contemptuous ridicule, the leading politicians and institutions of the country.

10. He tells with great pathos the domestic tragedy of poor old Farmer George, third of the name ; closing the sorrowful story with a passage in his own peculiar vein, full of mournful beauty and deep feeling.