

16. Form all the derivatives you can from *consider, serve*.

17. Form all the compounds you can of *shot and step*.

CLASS-ROOM.

ARITHMETICAL PROBLEMS

1. The sum of two numbers is 5,768, This difference is $\frac{1}{2}$ of the larger. Find them.

Ans. 3,605, 2,163.

2. *A* spent \$5 more than $\frac{1}{2}$ of his money, and then he has left \$10 less than $\frac{1}{2}$ of what he had at first. How much did he spend?

Ans. \$35.

3. *A's* age is 26 years, *B's* is 20 years 3 mos. Divide \$935 between them so that *A* may get \$5 more than he would get if the money were divided in proportion to their ages.

Ans. *A*, \$535; *B*, \$400.

4. A tobacconist sells cigars at 50 cents per doz., gaining thereby $\frac{1}{2}$ of cost price. Find selling price of each cigar in order that he may gain $\frac{1}{2}$ of cost.

Ans. 5 cents.

5. The population of a city, after increasing by $\frac{1}{4}$ of itself each of the years 1886, '87 and '88, was 131,072. Find the total increase in the population for this period.

Ans. 23,072.

6. One tap can fill $\frac{1}{2}$ of a cistern in $\frac{1}{2}$ hrs., another can fill $\frac{2}{3}$ of the remainder in 30 mins., and a third pipe can empty the cistern when full in 2 $\frac{1}{2}$ hrs. If the cistern be empty, and all the taps opened at once, when will it become filled?

Ans. 1 hr.

7. In an electoral district $\frac{3}{4}$ of the voters were Liberal, and the remainder Conservatives. In an election 250 of the Liberals and 115 of the Conservatives did not vote, and 125 of the Liberals supported the Conservative candidate, thus bringing this candidate within 125 votes of the Liberal. Find the number of electors in the riding.

Ans. 22,950.

8. Find the value, at 50 cts. per acre, of the land in a piece of country represented on a map by a rectangle 10 $\frac{1}{2}$ in. by 6 in., drawn on a scale of 3 mls. to the inch.

Ans. \$181,440.

9. A cubic foot of water weighs 1,000 oz., and water expands $\frac{1}{8}$ in bulk in freezing. Find the weight in tons of the ice 11 inches thick on a pond whose area is 2 $\frac{3}{4}$ acres.

Ans. 3,225 tons.

10. A field containing 8 acres 3 ro., is 35 rods long. Find the cost of building a 2 in. plank walk 3 ft. wide around it, with lumber worth \$10 per M.

Ans. \$149.22.

THIRD CLASS LITERATURE.

THE CLOUD CONFINES.

Stanza 1; The poet states, in a complaining tone, that human knowledge is but slight and superficial. One of the effects of this stanza is to produce in the reader a feeling of solitude, and of close contact and inquiry towards an irresponsible physical world.

"The day is dark and the night

2. To him that would search their heart."

Which of the following is the meaning of line 1?

The day is dark and (the day is) the night.
or The day is dark and the night (is dark)

What effect has *their* in line 2 on the answer to the preceding question?

What is the figure in these lines? An inferior degree of personification.

What word is essential to the figure, *heart*?

3. "No lips of cloud that will part."

Same figure. Neither day nor night answers by a voice from the clouds. Or, the cloud will not open its lips to answer him who would search the heart of day and night.

4. "Nor morning song in the light."

The light does not necessarily produce joyfulness.

"Lips of cloud," "Morning song."

Would you expect joyful news from lips of cloud?

Would you expect sorrowful notes in the morning song?

What figure? Contrast.

5. "Only gazing alone, —

To him wild shadows are shown;

Deep under deep unknown,

8. And height above unknown height."