

- lers, 258-259; use of chart, 260-262; lesson in written work, 262-263; lesson on halves, thirds and fourths, 263-264; lesson in multiplication, 264-267; lesson in use of ruler, 267; lesson in counting by tens, 267-270; correction of number work with other pupils, 270, and, 270-271; 8-1 year work of, 272; facts that teacher should remember, 272-273; order of procedure, 273-275; primary number facts, 275-276; decimal, 276-277. Illustrations: scores, addition, 277-281; fractions, 281-283; simple multiplication, 283-287; addition in a real life carrying problem, 287; multiplication with multiplier of two figures, 287-290; division, 290-296; development of reflecting formation of new number, 296-298; development relative of addition and subtraction, 298-299; teaching of four, one half of century, 300. Third year: book work; preparation of, preliminary lesson, illustrative lesson, 302-306; revision of denominated numbers, illustrative lesson, 306-309; addition of fractions, subtractive lesson, 309-313; ratio and proportion, illustrative lesson, 313-316; written work, 316-317; dictation, 317-319; other features of third year work, 319-320; typical problems, 320; correlation with physiology, II, 187; sense factor in, 240-241.
- Numbers Change, I, 212**
- Obedience, I, 13; II, 268-269**
- Observation, training of, II, 245-246, 340-341.**
- Occupation Songs, LITTLE FARMERS, I, 228, THE THRESHERS, 229-230**
- Occupations, studied by geography class, II, 27, 28.**
- Officials, of school, II, 297-298.**
- Old Stone, The, I, 219.**
- One Eye, Two Eyes, Three Eyes, I, 171**
- Opera Glasses, for nature study, I, 327.**
- Oral Reading, in the first year, I, 37-38, in the third year: relation to silent reading, 102-104; the critical period, 103-104; illustrative lesson, 104-109.**
- Oral Reproduction, of stories, I, 129-130, 143-135.**
- Orange Hawkweed, I, 361**
- Order and Disorder, defined, I, 7-8, causes of disorder, 18-20**
- Organization, of school, II, 321-322**
- Ostrich Farming, type study of, II, 16-19**
- Outbuildings, II, 295**
- Outdoor Studies, in geography, II, 5-6.**
- Paper, for art work, II, 81, for penmanship work, 171-172.**
- Paper Cutting. See CUTTING.**
- Paper Folding. See FOLDING.**
- Patrons, of the school, II, 296-297**
- Pen, manner of holding the, II, 212-213, for penmanship lesson, 172**
- Pencils, for drawing, II, 81-82, use of, 118, for penmanship lesson, 171**
- Penmanship, learning to read writing, II, 166, what penmanship is, 167, and of sense training, 167, objects sought, 167-168; teacher's preparation, 168; position, 169; form, 169; devices for teaching forms, 169-170; movement, 170-171; material, 171-172; ruling and rulers, 172-173; writing on the board, 173-174; seat lessons, 174-175; plan of work, 175-177; causes of trouble, 177; patience and persistence, 177; causes of poor writing, 177, time for lesson, 177-178; uniformity of handwriting, 178; explanation of penmanship, 178-179, how much to do, 179, drill exercises and counting, 179-182; aids, 182, sense factor in, 239-240.**
- Penwiper, construction work, II, 49**
- Perception Cards, I, 222, 236.**
- Periodicals, II, 314-316. See MAGAZINES.**
- Perspective, study of, II, 126.**
- Phonic Method, in teaching reading, I, 26-27.**
- Phonics, for first two grades: a separate study, I, 83, training ear and tongue, 83-84, associating sound and symbol, 84-86; diacritic marks, 86-89; syllabication, 89, summary, 89, suggest time lessons, 90-92. In third year, 99-100.**
- Phrases, New, how taught, I, 63-64.**
- Physical Welfare, of pupils, I, 19-20, II, 304.**
- Physiology, teacher's preparation, II, 181, purpose outlined, 181, hygienic results expected, 185-186, correlation with other subjects, 186-188, method of procedure, 188-189, earliest lessons, 189-191, parts of body, 191, illustra-**