Some teachers ask how fast a child should complete one of these worksheets. Each student will vary. The goal is to challenge the student to beat his/her own record, rather than meet an arbitrary standard.

Feel free to integrate other basic skills worksheets, games, and puzzles into this instruction. Allow the students to make up their own games.

One of the most popular days in my class was Game Day. Each student made a basic skills math game complete with easy to read instructions. The games were placed around the room in centers. Students moved from one game to another playing and learning basic skills. These games were saved and used periodically throughout the year.

As the students work through the book, you will find other areas that need repeated practice and drill. This will vary depending on the ability level and learning style of your students. Many of the worksheets in the back of the Teacher’s Handbook were developed to meet those needs.

Repetitive practice can often be boring and tedious even when taught by the most creative instructors. Some teachers get frustrated and abandon it. I am convinced that it is valuable for students and it is well worth the effort. I think Emily said it best when she came back to visit me a few years ago. I had heard her in my fifth grade class. “Thanks for making me do all those drill sheets. It seemed like I would never learn those multiplication facts. Remember? Well, in seventh grade I fly through my work while other kids are counting their facts on their fingers.”

There are some students with learning disabilities that have a very difficult time with basic facts. Even after repeated practice they are unable to learn them. These children should be given an addition, subtraction, multiplication, and division fact sheet with all of the basic math facts listed. With these basic facts in hand, many of these students are very capable at problem solving.

UNIT TESTS
Quarter, Semester and Final Exam tests are provided to evaluate overall student progress. They can be administered after Lesson 40, Lesson 80, Lesson 120, and Lesson 160. Answer keys are provided for these tests.
7. GEOMETRIC CONSTRUCTIONS
- protractors
- compass
- measuring and constructing angles
- construct a perpendicular bisector
- bisect an angle
- construct a regular hexagon
- construct an equilateral triangle
- construct a right triangle
- construct a square
- construct a parallelogram

8. FRACTIONS
- equivalent fractions
- greatest common factor
- reducing fractions
- compare and order fractions
- add and subtract fractions with common denominators
- mixed numbers
- improper fractions
- least common multiple
- add and subtract fractions with unlike denominators
- add and subtract mixed numbers without regrouping
- rename mixed numbers
- add mixed numbers with renaming fractions
- more renaming
- subtracting mixed numbers with common denominators - borrow from the whole numbers
- subtracting mixed numbers with unlike denominators - borrow from the whole numbers
- multiply fractions and a whole number
- multiply two fractions
- multiply mixed numbers
- *divide a whole number by a fraction
- *round and estimate with fractions
- *divide a fraction by a whole number
- *divide by a mixed number

9. DECIMALS
- fractions to decimals
- word numbers to hundred thousandths
- compare & order decimals
- add decimals (horizontal and vertical)
- subtract decimals
- estimate decimals
- multiply a decimal by a whole number
- multiply two decimals
- divide decimal by a whole number
- extend quotient to tenths, hundredths, thousandths
- interpret the remainder
- *divide by a decimal
- *divide and multiply by 10, 100, 1,000
- *repeating decimals

10. RATIO
- write simple ratios
- multiply to find equal ratios
- divide to find equal ratios
- cross products
- *use cross products to solve for \( \pi \)
- *ratio as a percent

11. MEASUREMENT
- standard and metric linear equivalent
- standard and metric liquid equivalent
- standard and metric weight equivalent
- temperature reading and understanding Fahrenheit and Celsius
- millimeter, centimeter, decimeter, meter, decameter, hectometer, kilometer

12. GRAPHS
- bar
- line
- pictographs
- circle
- coordinate graphs
- comparing graphs
- *mean, mode, median
- *graphing in all four quadrants

13. EQUATIONS
- addition
- subtraction
- multiplication
- division
- *writing equations for word problems
- *equal ratios

14. PERCENT
- understand the concept
- finding a percent of a number
- percent and decimals
- percent and fraction
- discount and sales tax

15. APPLICATIONS
- writing checks
- *budgeting
- *banking
- *savings
- *understanding interest
- computing interest
- comparison buying
- installment buying
- using charts and tables

16. PROBLEM SOLVING
- choosing an operation
- reasonable or unreasonable answers
- too much information/ too little information
- multiple step problems
- understanding remainders
- make an organized list
- draw a picture
- find a pattern
- *use a chart, table, menu, schedule

*new concepts