

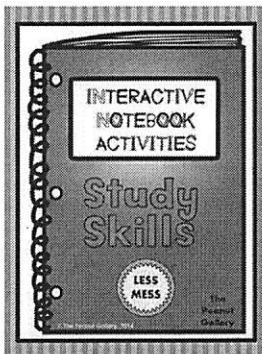
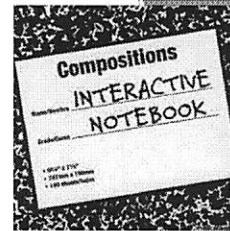
Interactive Math Notebooks

Presented by Barbara Ralph and Jennifer Seaman



The **purpose** of the **Interactive Student Notebook** is to enable the student:

- to be a creative, independent thinker and writer
- to keep organized notes (as well as other activities)
- to express ideas
- to process the information presented in class



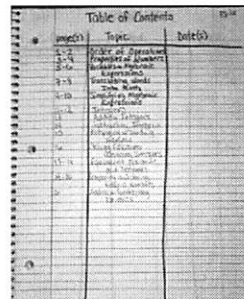
Interactive Notebooks

- Keep subject information organized
- Can be used throughout the year
- A variety of strategies can be incorporated
- Can be used as a resource at home

Organization

Children keep a record of their own learning.

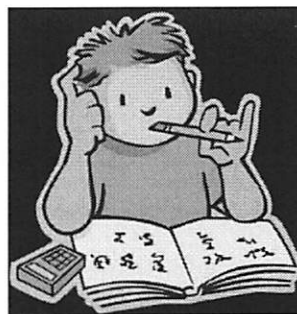
This becomes a handy reference to help with concepts and studying for tests.



Chapter	Topic	Date
1-1	Table of Contents	
1-2	Order of Operations	
1-3	Properties of Numbers	
1-4	Exponents	
1-5	Ordering Integers	
1-6	The Real Number System	
1-7	Integers	
1-8	Rational Numbers	
1-9	Real Numbers	
1-10	Operations with Real Numbers	
1-11	Order of Operations	
1-12	Exponents	
1-13	Ordering Integers	
1-14	The Real Number System	
1-15	Integers	
1-16	Rational Numbers	
1-17	Real Numbers	
1-18	Operations with Real Numbers	

In School:

- Encourage your child to get in the habit of writing down all notes
- Make sure you and your child understand the expectations in school and for home assignments
- If you do not understand ask questions
- Make sure your child always has the necessary materials needed to complete the assignment



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Chapter 2 School-Home Letter

Dear Family,

During the next few weeks, our math class will learn about interpreting and representing data. You can expect to see homework that provides practice with tally tables, frequency tables, picture graphs, bar graphs, and line plots. Here is a sample of how your child will be taught to solve problems using a bar graph.

Vocabulary

bar graph A graph that uses bars to show data.

data Information that is collected about people or things.

frequency table A frequency table uses numbers to record data.

line plot A line plot uses marks to record each piece of data above a number line.

picture graph A picture graph uses small pictures or symbols to show information.

MODEL Use a Bar Graph to Solve a Problem

Use the bar graph. How many more sports books than nature books does Richard have?

STEP 1
Identify the bars for Sports and Nature.

STEP 2
Count along the scale to find the difference between the bars. The difference is 5 books.

Subject	Number of Books
History	3
Sports	8
Nature	3

Tips

Reading Scales
To make reading the length or height of a bar easier, use a straightedge or ruler to line up one end of the bar with the number on the scale.

So, Richard has 5 more sports books than nature books.

Activity

Look for bar graphs in magazines and newspapers or help your child create his or her own bar graphs. Then