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Introduction



Beginning CHARTS, GRAPHS, and DIAGRAMS

One of a child's earliest opportunities to communicate with others is through pictures. He learns the ideas of others when he looks at pictures and talks about what he sees. She lets others know what she is thinking when she draws a picture and tells an interested person about what she has drawn.

***Charts, graphs, and diagrams** are pictures. They are visual ways to communicate information about all kinds of things—from the types of pets owned by students in your class, or the population of various countries in the world, to the parts of a bicycle. From charts, graphs, and diagrams, a child can learn a wealth of information about the world in which he or she lives.*

***Beginning Charts, Graphs, and Diagrams** contains activities geared to primary children who are learning basic skills about these visual tools. Each tool is explained and examined thoroughly, and followed by interesting reinforcement activities.*

We know that through the successful completion of the activities in this book, your children will have the basic skills it takes to become visually literate readers and makers of charts, graphs, and diagrams.

What Are Charts, Graphs, and Diagrams?

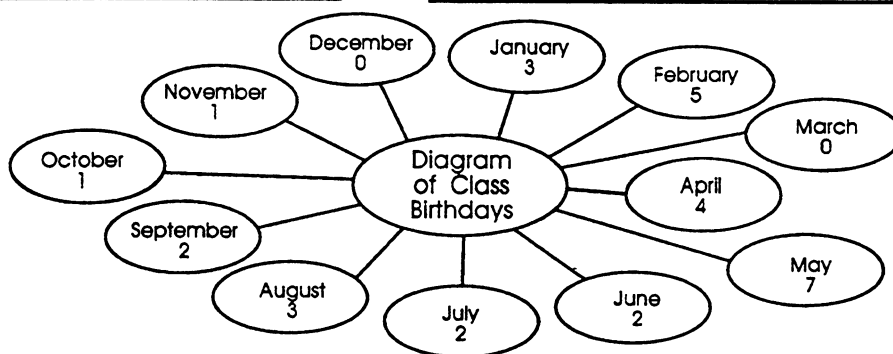
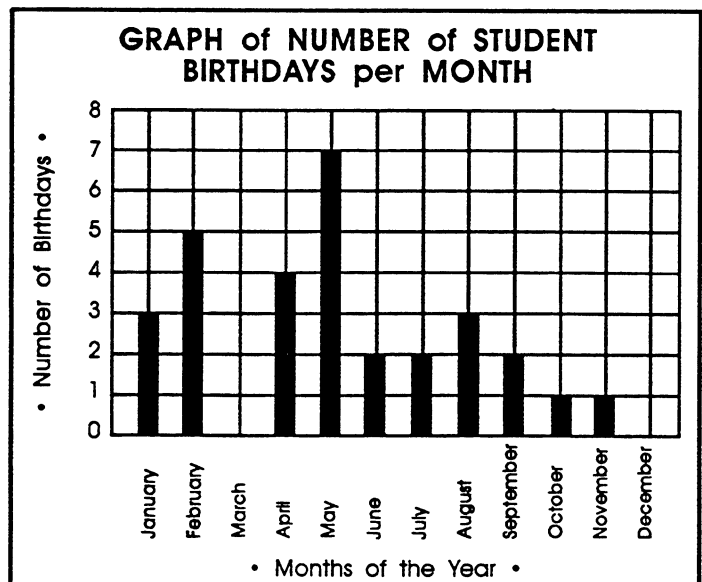
Charts, graphs, and diagrams are visual tools. They give us a way to see information easily. It is sometimes easier to *see* information in a chart, graph, or diagram than to *hear* it or *read* it.

Read these results of a survey taken in a class of 30 year two students. They were asked the month of their birth.

Three were born in January, five in February, and none in March. April had four student birthdays, and May had seven. There were two birthdays in both June and July, and three in August. September had two, and both October and November had one. There were no class birthdays in December.

Now, *look* at the same information presented in a chart, graph, and diagram. Is it easier for you to understand when you can see it?

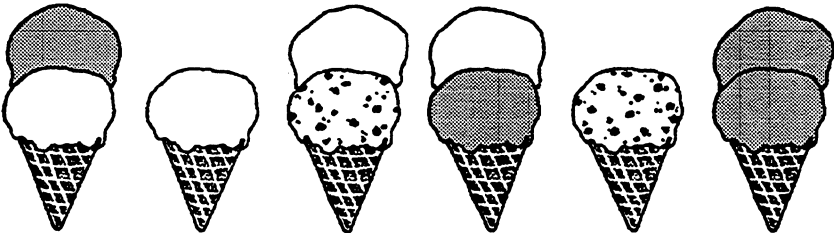
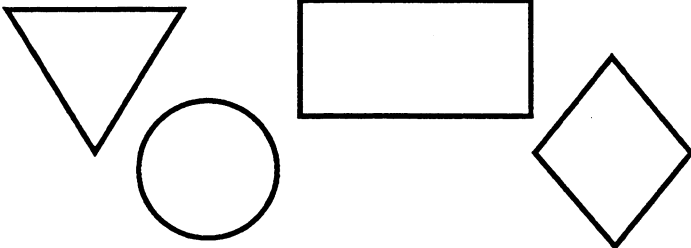
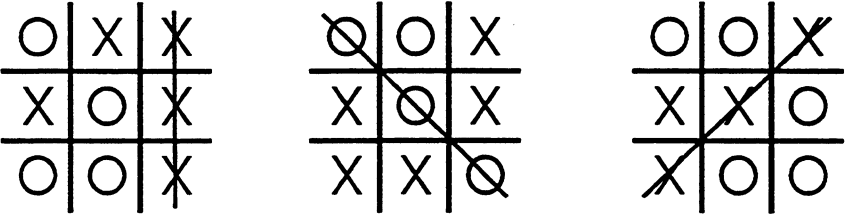
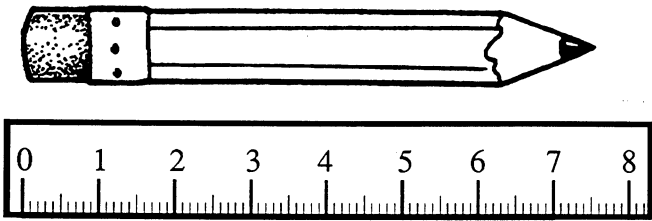
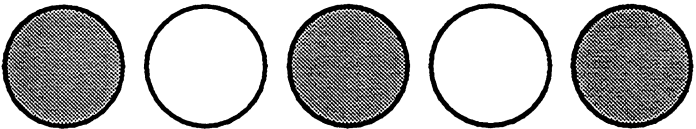
CHART of CLASS BIRTHDAYS	
Month	Number of Birthdays
January	3
February	5
March	0
April	4
May	7
June	2
July	2
August	3
September	2
October	1
November	1
December	0



Read the Picture!

We can read words and understand what someone wants us to know. We can also read pictures!

Read these pictures and answer the questions.

	<p>1. How many ice-cream cones have double scoops? _____</p> <p>2. Is all the ice cream the same flavor? _____</p>
	<p>3. Are any of these shapes the same? _____</p>
	<p>4. How many games did "X" win? _____</p> <p>5. How many games did "O" win? _____</p>
	<p>6. How many millimetres long is this pencil? _____</p>
	<p>7. This is a pattern. Draw the circle that should come next.</p>

Can you read pictures?

Draw the Picture!

Show that you understand the words on this page by drawing the pictures to explain them.

	<p>One of the balloons has popped. It was not the same color as the others.</p>
	<p>The rectangle is larger than the square.</p>
	<p>One of the candles has been blown out.</p>
	<p>Six different colors are marked on the wall.</p>
	<p>One of the balls is different.</p>