

MATH IN SCIENCE

Using Math in Science

Scientists use **MATH** each and every day when they are doing **SCIENCE!**

Scientists use numbers, addition, subtraction, multiplication, and division.

Scientists use **GRAPHS** too! Scientists use bar graphs to help show their results.

A **bar graph** uses **bars and numbers** to show information.



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A **column chart** has facts in **columns or sections** which makes the information easy to read.



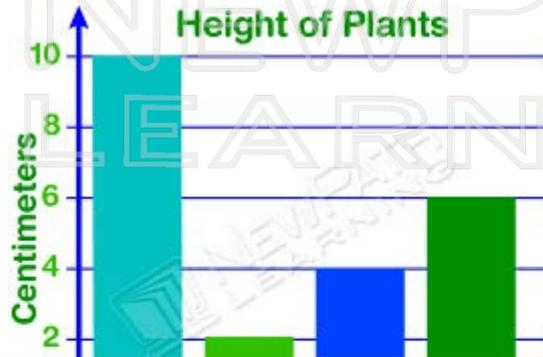
Butterflies Living in the Forest		
2005	2006	2007
65	78	100

Examples of experiencing **SCIENCE** and **MATH** at the same time in some areas of 1st grade science:

This is a bar graph.

This bar graph shows which plant grew taller.

Which plant grew taller – plant A or plant B?



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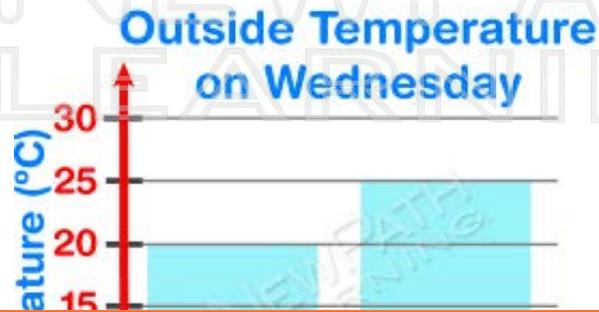
Rabbits Living in Pride Park

Last Year	This Year
55	60

Weather: Measuring Temperature

Scientists use thermometers and graphs to chart the temperature outside.

What was the temperature on Wednesday at 3:00 PM?



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Lowest Temperatures of Each Season			
			
Winter	Spring	Summer	Fall
0°C	9°C	37°C	7°C

The Sky

Scientists use numbers when talking about the Earth and space too! For example: Scientists know that one rotation of Earth equals 24 hours.

Land, Water, and Air

Scientists COUNT too in science! Counting is MATH! Scientists count the layers of soil on Earth.

Taking Care of the Earth

When you help take care of the Earth – you can count how many bottles and cans you recycle each week!

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Describe and measure matter.

Scientists use numbers and clocks during experiments.

If a scientist wants to see how long it takes an ice cube to melt, he or she will use a clock to measure the amount of time that goes by while the ice cube is melting.

Light and Sound

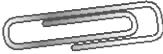
Scientists use numbers and equipment to measure light and sound too. They measure sound in decibels.

Magnets

Scientists use graphs to chart their findings too!

This chart easily shows which objects are attracted by magnets and which objects aren't.

Name one of the objects that WAS attracted by the magnet.

Item	Attracted by Magnet?
paper clip	yes 



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