

A  
Hollister Kids  
Newspaper  
Supplement  
from:



# MATH IN THE NEWS

It Adds Up ... and Subtracts and Multiplies and Divides!



# MATH IN THE NEWS

Every day, math makes news in the world. Understanding math can help us understand how the world works.

Take a look around. Product prices, sports statistics and entertainment ratings all are based on math. So are business profits, job salaries, government taxes and the digital technology that drives everything from DVDs to the Internet.

Almost anything that affects your life or shapes your interests has a math connection. This special newspaper section will show how math affects us through word problems drawn from news accounts that actually appeared in newspapers.

At the same time, it will demonstrate that when math makes news, numbers come alive!

# SPORTS

## ONE Babe's Bat

People just love sports. And sometimes they are willing to pay outrageous amounts of money for sports items. In late 2004, for example, the massive 46-ounce Louisville Slugger bat used by Babe Ruth to drill the first home run in Yankee Stadium sold for a record \$1.26 million. The bat, 36 inches of solid ash, was only the third piece of sports memorabilia to break the \$1 million mark in an auction, joining Mark McGwire's 70th home run ball (\$3 million) and a 1909 Honus Wagner baseball card (\$1.265 million). The \$1.26 million was the most ever paid for a bat—and was half what it cost to build Yankee Stadium in the 1920s!

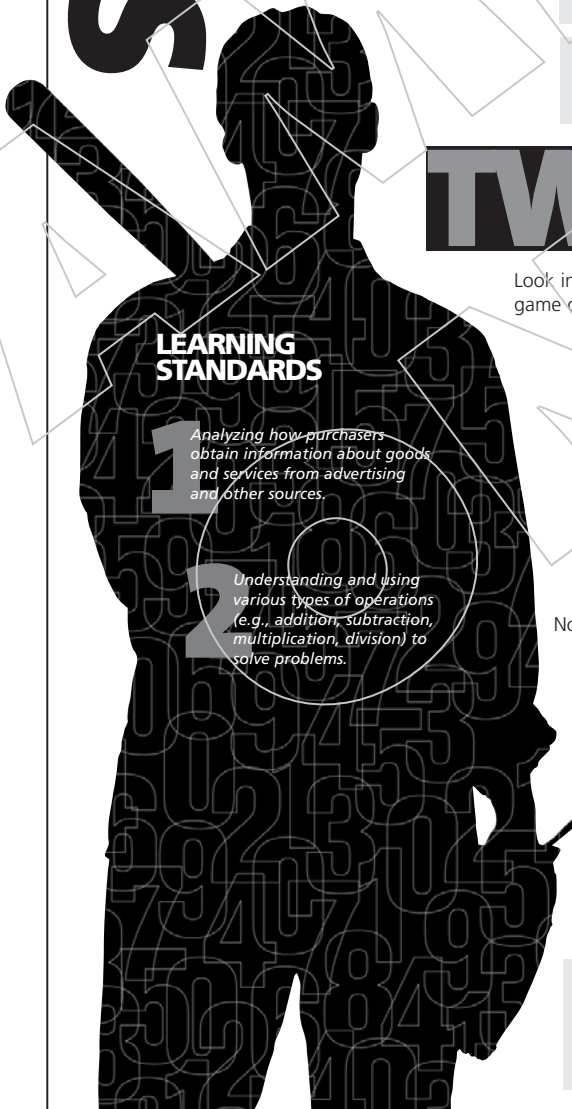
### IN THE NEWS

Check the newspaper or the Internet for information on popular and expensive collectibles. Pick an unusual one and write a short paragraph describing why people would want it.

How much more was paid for Mark McGwire's 70th home run ball than Babe Ruth's bat?

What was the total paid for Ruth's bat, McGwire's home-run ball and the Honus Wagner baseball card?

How much did it cost to build Yankee Stadium?



### LEARNING STANDARDS

**1** Analyzing how purchasers obtain information about goods and services from advertising and other sources.

**2** Understanding and using various types of operations (e.g., addition, subtraction, multiplication, division) to solve problems.

## TWO Sports Numbers

Look in the sports section of today's newspaper. Find the score of a baseball game or another sports event.

	GAME ONE	SCORE
Winning Team:	_____	_____
Losing Team:	_____	_____

Add the two scores together to find the total number of runs or points scored during the game.

Subtract the loser's score from the winner's score to see how many more run/points the winning team had.

Now find the score of a game in a different sport than above.

	GAME TWO	SCORE
Winning Team:	_____	_____
Losing Team:	_____	_____

Add the two scores together to find the total number of runs or points scored during the game.

Subtract the loser's score from the winner's score to see how many more run/points the winning team had.

What is the difference between the total number of runs/points scored in the first game and the total number of points scored in the second game?

# 2

## ONE Playing in the Water

Speaking of fun things to do, in some places water parks are super-cool. Chicago, Illinois, alone has more than 30 water parks, many built by the city's Park District in the last five years. Experts say there are about 1,000 water parks nationwide. Wisconsin Dells, Wisconsin, the city that started the craze for indoor water-park resorts, has about 20 hotel water parks. Between 2000 and 2004, the number of hotels with indoor water parks went from 18 to more than 75, says a Hotel Waterpark Resort Research report.

### IN THE NEWS

For fun, look through the newspaper for articles about water sports and activities. Or find articles online. Write a complete sentence about one activity you would like to try.

If Chicago built 30 water parks in the last five years, what's the average number of water parks the city would have built each year?

If there were exactly 1,000 water parks in the U.S., what is the average number there would be in each of the 50 states?

If there are 75 hotels with water parks now, how many were built in the last four years?

## TWO Take a Space Trip

It won't be cheap, but someday soon, the public will be able to travel into space. Burt Rutan, inventor of the first private spaceship, won a \$10 million prize in the fall of 2004 when he flew his own ship into space. Now he has a deal to build five spaceships that will blast paying customers into space as soon as 2008. Tickets are going for \$200,000 each—and more than 29,000 people signed up in the first six months! Rutan says once space travel becomes relatively safe, the prices will drop to \$25,000 to \$30,000 and lots more people will get to go into space.

If 29,000 people paid \$200,000 each for trips into space, how much money does that all come to?

How much would those 29,000 people pay all together if the tickets only cost \$30,000 per person?

How much would it cost for half of the people if the tickets cost \$25,000 per person?

### IN THE NEWS

Find newspaper articles about space travel. Use the information you gather to write an outline for a creative story set in space.

### LEARNING STANDARDS

1 Describing uses of water.

2 Analyzing how purchasers obtain information about goods and services from advertising and other sources.

3 Investigating ways numbers are used (e.g. counting, measuring, ordering, naming, locating).

## THREE Keeping Count

Numbers can be fun, even when they don't involve recreation. Start at the beginning of the newspaper and look through it to the last page. Read the instructions below carefully. Then find the following kinds of numbers and follow the instructions for each. You will need colored pencils or markers for this activity.

1. Mark SEVEN numbers used to keep count of things in RED.
2. Indicate THREE numbers used to tell you what comes first, what comes next and what comes last in BLUE.
3. Highlight TWO numbers used as or in a proper name in YELLOW.
4. Circle FIVE numbers used to help you locate something in GREEN.
5. Underline SIX numbers used as or in measurements with ORANGE.

### CREDITS

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