Visit the Louisville Free Public Library to check out these books which connect to math content students are learning this month.

* *Adding* by Rozanne Lanczak Williams
* *Adding Arctic Animals* by David Bauer
* *Adding and Counting On* by Richard Leffingwell
* *Adding with Sebastian Pig and Friends: At the Circus* by Jill Anderson
* *Help Me Learn Subtraction* by Jean Marzollo
* *Subtraction at School* by Jennifer Rozines Roy
* *Graphing with Pets* by Harry James
* *Graphing in the Desert* by Jennifer Rozines Roy
* *Giraffe Graphs* by Melissa Stewart

# Show What You Know!

Solve each equation.

1) What is ten less than 70?

2) What is ten more than 30?

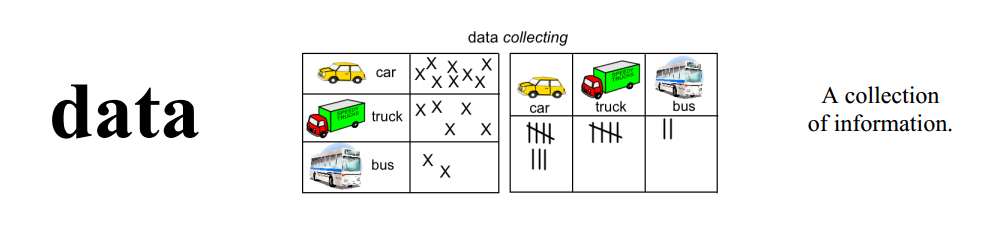
3) 46 + 30 = ?

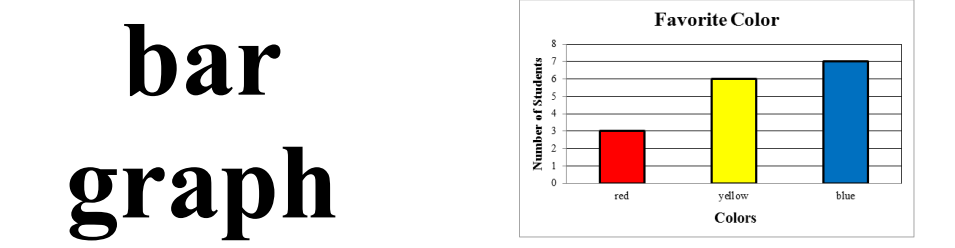
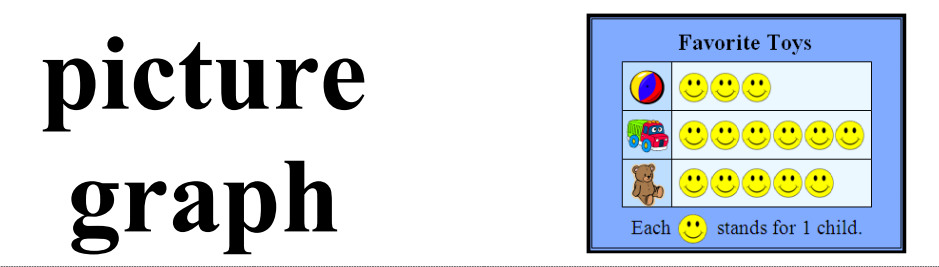
4) 52 + 5 = ?

1) 60 2) 40 3) 76 4) 57

# Check Out These Books!

* **Add a two-digit number to a one digit number.** For example, add 22 + 8 or 33 + 9.
* **Add a two-digit number to a multiple of ten.** For example, a first grader should be able to add 45 + 30 and 34 + 60.
* **Mentally find 10 more or 10 less than a number and explain his reasoning.** Students should be able to do problems like 56 -10 or 45 + 10 in their head without having to use fingers, drawings, or manipulatives and explain how they figured out the answer.
* **Subtract multiples of 10 from larger multiples of 10.** For example, solve 60 – 20 or 90 – 60.
* **Organize and represent data with up to three categories.** For example, students might collect data on the question, “Do you cheer for UK or UL?” Students represent the data using cubes, tallies, a Venn diagram, or a bar graph.
* **Ask and answer questions about data.** Students ask questions about the data and also answer questions such as which team had more votes? How many votes did UL get?

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# During these eight weeks, first graders are learning to:

Math

Matters

banner with apples and crayons

### First Grade

Cycle 4

Volume 3, Issue 4

Math Ideas and Resources for Families

**Practice**

Color by Number

<https://s3.amazonaws.com/everydaymath/em_at_home/Grade+1/home_link_4.12.pdf>

Comparing Temperatures

<https://s3.amazonaws.com/everydaymath/em_at_home/Grade+1/home_link_10.6.pdf>

Comparing Amounts of Money

<https://s3.amazonaws.com/everydaymath/em_at_home/Grade+1/home_link_5.7.pdf>

* Practice adding multiples of ten using dice and index cards. Have your child roll the die twice to come up with a two digit number. Cut five index cards in half and write +10, +20, +30, +40, and +50 on them. (Each one should be represented twice.) For example, if your child rolls a two and then a three he has made twenty-three. He then draws the +20 card. Have him write down and equation and solve. Each player receives a point for correctly solving his/her equation.
* Collect data together and create a way to represent the data. For example, you could collect weather data such as sunny days, cloudy days, and rainy days and track the information on a calendar. After collecting the data, ask your child to look at the data and share what he notices. Also, ask questions like, “Were there more cloudy days or sunny days? How do you know?” Have your child come up with his own questions to ask about the data.

# Activities to Try at Home

<http://www.sheppardsoftware.com/mathgames/catchthestars/addition/catchthestars20.htm> Practice addition facts with this fun game.

<http://www.sheppardsoftware.com/mathgames/catchthestars/subtraction/catchthestarsM18.htm> Practice subtraction facts with this fun game.

<http://maths.primarytopics.co.uk/calculating/mental/year2/interactive/shootout/mvsubw10s/mvsubw10s.htm> Find the missing number in a subtraction equation with this game.

<http://maths.primarytopics.co.uk/calculating/mental/year2/interactive/games/add10to2dg.htm> Practice adding ten to a number with this game.

<http://urbrainy.com/get/1834/add-a-single-digit-number-to-two-digits-with-a-number-grid-8356> Practice adding a single digit number to a double digit number with this game. You will need to register with your email address to access.

<http://urbrainy.com/get/1267/subtract-2-multiples-of-10-up-to-100-6333> Practice subtracting multiples of 10 with this game. You will need to register with your email address to access.

[http://www.bbc.co.uk/bitesize/ks1/maths/o rganising\_data/play/popup.shtml](http://www.bbc.co.uk/bitesize/ks1/maths/o%20rganising_data/play/popup.shtml) Practice collecting data, analyzing data, and answering questions about data with this fun game. Start with medium and work your way through all the levels.

<http://pbskids.org/cyberchase/math-games/bugs-in-the-system/> Grab the bugs and practice graphing.

## Online Activities to Try

Math Ideas and Resources for Families