

Dear Parents,

Here is what your child is learning in Grade 3, Unit 1 along with some specific ways you can help. Look for additional newsletters for upcoming units.

ALGEBRA, PATTERNS, AND FUNCTIONS

Students need to:

- Identify, describe, and extend a variety of non-numeric and numeric patterns.

Example:

Look at the pattern. 100, 97, 94, ____, ____, ____

Continue the pattern.

Use numbers/words to explain the pattern rule.

Sample response:

91, 88, 85

Rule: Subtract 3 to get the next number in the pattern.

NUMBER RELATIONSHIPS AND COMPUTATION

Students need to:

- Represent three- and four-digit numbers in a variety of ways.
- Subtract two- and three-digit numbers with regrouping.
- Estimate sums and differences of numbers less than 1,000.

Examples:

1. Write 8,756 in expanded notation. *Sample Response:* $8,000 + 700 + 50 + 6$

2. What is the smallest number that can be made by rearranging the digits below?

6 5 8 3

Sample Response: 3,568

3. Maria has 268 stickers.

Gus has 423 stickers.

Estimate the total number of stickers.

Explain how you estimated.

Sample Response:

690 stickers

I estimated by rounding 268 to the nearest ten and got 270. Then I rounded 423 to the nearest ten and got 420. I added 270 and 420 and got 690 as an estimate.

STATISTICS

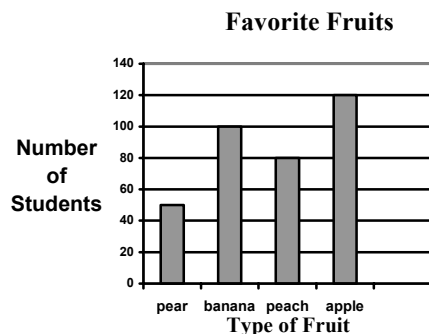
Students need to:

- Gather, organize, and display data using appropriate scales.
- Interpret and compare data from tables, pictographs, and bar graphs.

Examples:

1. Create a bar graph to show the data in the table.

Sample Response:



Favorite Fruits	
Fruit	# of Students
Pear	50
Banana	100
Peach	80
Apple	120

2. How many more students like apples than pears?

Sample response: 70 students

WAYS PARENTS CAN HELP

- Encourage your child to look for and to practice reading large numbers from the newspaper or magazines. Ask your child to write these numbers using expanded notation.

8,756
Eight thousand seven hundred fifty-six



- While shopping for a few items, encourage your child to estimate the total cost of the items before going to the cashier.
- Provide your child with opportunities to count by 10s, 20s, 50s, and 100s.
- Practice reading bar graphs and pictographs from the newspaper. Discuss how the pictograph key tells how many each symbol represents.

Sample Pictograph:

Favorite Colors	
Red	☺ ☺ ☺ ☺ ☺ ☺
Yellow	☺ ☺
Blue	☺ ☺ ☺

☺ = 5 students

For additional activities, visit www.ed.gov/pubs/parents/Math