



# GRADE 2 MATHEMATICS—Unit 3

Dear Parents,

Here is what your child is learning in Grade 2, Unit 3 along with some specific ways you can help. Look for additional newsletters for upcoming units.

## NUMBER RELATIONSHIPS AND COMPUTATION

Students need to:

- Add and subtract two- and three-digit numbers using a variety of strategies.

Examples:

1.

$355$	$+129$	$355$	$355 - 1 = 354$
$+129$	$400$	$\overset{1}{355}$	$129 + 1 = 130$
	$70$	$\text{or } +129$	$484$
	$14$	$484$	
	$484$		

2. Bill has 136 baseball cards.  
John has 97 baseball cards.  
How many more cards does Bill have than John?

Sample responses:

$136 + 3 = 139$	OR	$97 + 3 \rightarrow 100$
$\underline{-97 + 3 = -100}$		$+30 \rightarrow 130$
$39$		$\underline{+6} \rightarrow 136$
		$39$

## ALGEBRA, PATTERNS, AND FUNCTIONS

Students need to:

- Solve problems involving addition and subtraction using models and number sentences.
- Identify missing numbers in number sentences.

Examples:

1. In the morning there were 22 students on the bus.  
In the afternoon there were 16 students on the bus.
- a. Mark the correct number sentence that shows how the number of students in the morning and the afternoon compare.
- $16 + 22$       $16 = 22$       $22 > 16$       $22 < 16$

Sample response: a.  $22 > 16$

- b. Mark the correct number sentence that shows the difference between the number of students in the morning and the afternoon.

$16 + 22 = 38$       $22 < 16$       $22 - 16 = 6$       $22 > 16$

Sample response: b.  $22 - 16 = 6$

2. Write the missing number in each number sentence.

a.  $21 + \square = 76$

b.  $\square - 45 = 17$

c.  $33 + 24 = \square$

Sample response:

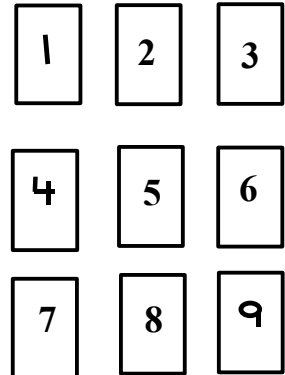
a. 55

b. 62

c. 57

## WAYS PARENTS CAN HELP

- Make 5 sets of number cards, as shown below, on index cards. Mix the sets together. Select two cards and make a 2-digit number. Select 2 more cards and make another 2 digit number. Add the two numbers together. Repeat. Make two 3-digit numbers to add.
- Use the same number cards for subtraction. Select 2 cards and make the largest number possible. Select 2 more and make the smallest number possible. Subtract the smaller number from the largest. Have your child share their subtraction strategy.



- Create number stories involving addition and subtraction (0-18). Ask your child to model the number story using objects and write a number sentence for the story. Discuss how your child solved the problem. (e.g. Mary has fifteen pennies. She gave Tim some pennies. Now Mary has 8 pennies. How many pennies did she give Tim? (number sentence  $15 - \_ = 8$ , Ans. 7)

For additional activities, visit [www.ed.gov/pubs/parents/Math](http://www.ed.gov/pubs/parents/Math)