Dear Incoming Fourth Graders and Parents,

Your fourth grade teaching team firmly believes that by reviewing and practicing math skills during the summer months, every student will enter fourth grade with reinforced levels of mathematical understanding and competency. The attached worksheets represent the topics of place value, number theory, rounding, addition, and subtraction which have been taught during the third grade year and which will be reviewed at the very beginning of the fourth grade year as building blocks for what is to come in the fourth grade mathematics curriculum.

Using these materials will help your child maintain these skills and will help to ease the transition to fourth grade mathematics. There are some problems to solve as well as some enrichment work if your child would like to tackle something a bit more challenging. Always encourage your child to show his or her work when solving problems. Please encourage your child to work on this independently. If your child requires help, please indicate on which part(s) assistance was given. This completed work should be turned into your child's teacher on the first day of school. It will be evaluated and returned to your child in a timely manner with general comments.

Your child spent a good deal of time in third grade using a program called X-tra Math which helped to teach basic math facts. It is strongly suggested that your child review and practice addition, subtraction, multiplication, and division (if he or she knows them) facts so that your child can apply these facts with accuracy and facility when solving problems. In addition, if you are looking for some mathematical websites for extra math practice, the following websites may be helpful:

- [www.hoodamth.com/games](http://www.hoodamth.com/games)
- [www.funbrain.com](http://www.funbrain.com)
- [www.mathblaster.com](http://www.mathblaster.com)
- [www.adaptedmind.com](http://www.adaptedmind.com)
- [www.mathgametime.com](http://www.mathgametime.com) (The broken calculator game is a good one!)

Enjoy your summer! We are looking forward to seeing you in August and having a great fourth grade year learning lots of exciting mathematics!

Sincerely,
The fourth grade teaching team
How do you say that big number?

Write the word name for each number below.

example: 23,406 - twenty-three thousand, four hundred six

a. 23,567 -

b. 652,190 -

c. 130,911 -

d. 965,040 -

e. 400,600 -

f. 56,700 -

g. 200,100 -

Now write each word name in standard form.

example: seventy-two thousand, six hundred seven - 72,607

h. three hundred six thousand, seventeen -

i. nine hundred twenty-two thousand, four -

j. thirty thousand, one hundred twelve -

k. nine hundred sixty thousand, two hundred twenty-two -

l. ten thousand, four hundred -

m. six hundred thousand, six hundred -

n. four hundred nineteen thousand, nine -
Expanding Numbers

Write each number in expanded form.

examples:  
1,345 = ____1,000 + 300 + 40 + 5____
3,042 = ____3,000 + 40 + 2____

a. 4,562 = __________________________
b. 2,319 = __________________________
c. 5,067 = __________________________
d. 1,203 = __________________________
e. 7,080 = __________________________
f. 5,219 = __________________________
g. 4,803 = __________________________

Write each number in standard form.

examples:  
1,000 + 300 + 40 + 5 = ____1,345____
3,000 + 40 + 2 = ____3,042____

h. 6,000 + 500 + 30 + 6 = __________________________
i. 2,000 + 200 + 4 = __________________________
j. 2,000 + 90 = __________________________
k. 5,000 + 900 + 2 = __________________________
l. 7,000 + 300 + 20 + 3 = __________________________
m. 4,000 + 400 + 40 + 4 = __________________________
### Find the Mystery Numbers

The mystery number has...

- a 4 in the ten thousands place.
- a 5 in the hundred thousands place
- a 3 in the tens place
- a 2 in the ones place
- a 0 in the hundreds place
- a 6 in the thousands place

What is the mystery number? ____________________________

### The mystery number has...

- a 1 in the ones place
- a 7 in the hundred thousands place
- a 7 in the tens place
- an 8 in the ten thousands place
- a 9 in the thousands place
- a 2 in the hundreds place

What is the mystery number? ____________________________

### The mystery number has...

- a 9 in the ten thousands place
- a 0 in the thousands place
- an 8 in the hundred thousands place
- a 0 in the ones place
- an 8 in the hundreds place
- a 2 in the tens place

What is the mystery number? ____________________________
Place Value Puzzlers

a. What's the biggest number you can make using the digits 9, 3, 5, and 1? 

b. Which number is bigger, 28,761 or 9,999? 

c. In the number 234,567, what digit is in the ten thousands place? 

d. In the number 157,562, the one is in the ___ place. 

e. What's the smallest number you can make using the digits 9, 7, 5, and 4. 

f. Write the number: six hundred five thousand, thirty-six. 

g. In the number 456,789, which digit has the greatest value? 

h. What is the value of the eight in the number 678,145? 

i. Write the number: nine hundred two thousand, twenty
Addition with 4-Digit Addends

Find the sums.

a. \[7,447 + 2,987 = \underline{10,434}\]

b. \[3,986 + 3,920 = \underline{7,906}\]

c. \[6,978 + 87 = \underline{7,065}\]

d. \[2,408 + 5,739 = \underline{8,147}\]

e. \[5,876 + 2,387 = \underline{8,263}\]

f. \[6,261 + 980 = \underline{7,241}\]

g. \[46 + 9,485 = \underline{9,931}\]

h. \[5,096 + 9,145 = \underline{14,241}\]

i. \[\$1,898 + \$7,37 = \underline{\$9,275}\]

j. \[\$1,698 + \$567 = \underline{\$2,265}\]

k. A scuba diver finds a treasure chest in the ocean. When she opens it up, she discovers that it is filled with 3,567 gold coins and 1,793 silver coins. How many coins does the chest contain in all?  

\[\text{Total coins} = 3,567 + 1,793 = \underline{5,360}\]

l. The treasure chest also contains pearls! There are 1,356 white pearls and 562 black pearls. How many pearls are there altogether? 

\[\text{Total pearls} = 1,356 + 562 = \underline{1,918}\]
Subtraction: Mixed Review

Subtract and check by adding.

1. 346
   - 34

2. 456
   - 92

3. 300
   - 59

4. $4.56
   - 1.84

5. 7,000
   - 3,990

6. $90.00
   - 31.40
**Addition and Subtraction Word Problems**

**Directions:** Add or subtract to solve the word problems below. Show your work.

1. There were 267 students at Lakeshore Middle School. On Tuesday, 127 of those students left for a field trip. How many Students were left at school on Tuesday?

2. The music store had stocked 500 copies of the new #1 album. They sold 258 copies that day. How many copies remained at the end of the day?

3. Amy had 122 feet of rope for camping. Lindsay had given her another rope that was 198 feet long. What was the total number of feet she had in both ropes?

4. In May, 1,232 visitors came to the Picasso Art Museum. In June, 1,859 visitors came. How many people came to the museum during those two months?

5. Adam had recorded 142 hours of television on his DVR. The unit is capable of holding 160 hours. How many hours of television does he have left to record on?

6. A bus ticket to South Carolina costs $87.50. A hotel room costs $235.75 for the week. How much will it cost Adrian to take a bus to South Carolina and spend a week at the hotel?