

Study guide Math 4

Place value:

In the number 7894, what number is in the tens spot? _____

What number is in the hundreds spot? _____

What number is in the ones spot? _____

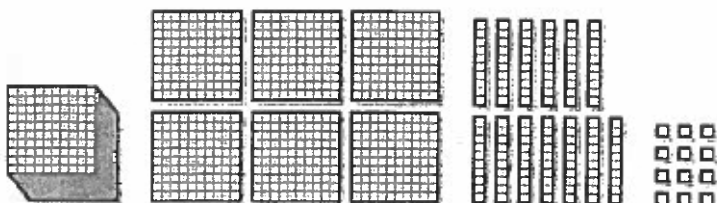
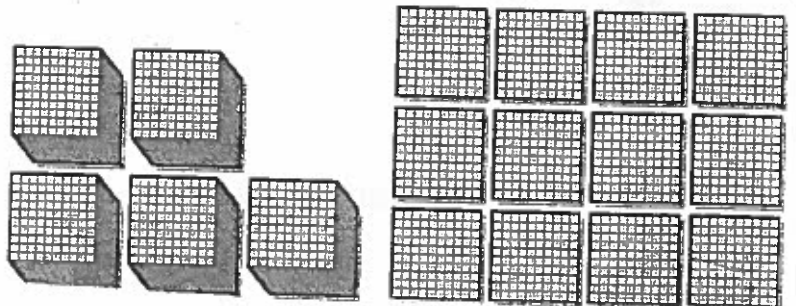
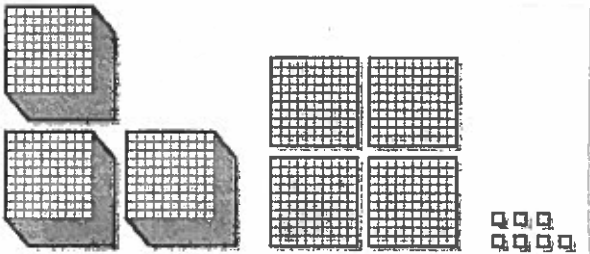
What number is in the thousands spot? _____

How many ten dollar bills would you need to make \$120? _____

Base 10 blocks:

Using base ten blocks, draw the number 2738 TWO DIFFERENT ways.

What number does each set of these base ten blocks represent?



Rounding

Round these numbers to the nearest ten.

345 _____ 23 _____ 5766 _____

Round these numbers to the nearest hundred.

922 _____ 1784 _____ 9337 _____

Round these numbers to the nearest thousand.

1874 _____ 984 _____ 5249 _____

Estimate the answers to these questions by rounding to the nearest hundred.

324	7458
<u>+591</u>	<u>- 2213</u>

Rename and then subtract. (See back page for instructions on renaming.)

4000	390	5500
<u>-2384</u>	<u>-167</u>	<u>- 3592</u>

Write the following numbers in expanded form.

1396

278

Write the following numbers in word form.

2938

702

Write the following numbers in standard form.

$$9000 + 800 + 4$$

$$1000 + 30 + 2$$

Seven thousand eighty

Three hundred fifty-six

Chapter 3
Lesson 9

Subtracting by Renaming

GOAL

Use renaming to make subtraction easier.



Vera calculated that she had lived 3286 days. She wanted to know the number of days until her 5000th day birthday.

? How many days are there until Vera's 5000th day birthday?



Cole's Subtraction

I estimate that $5000 - 3286$ is close to $5000 - 3300$. I think it's about 1700 days. To calculate $5000 - 3286$, I'll rename 5000 so it's easier to subtract.

- **Step 1** I can rename 5000 as $4999 + 1$.

$$\begin{array}{r} 4999 + 1 \\ \cancel{5000} \\ - 3286 \\ \hline \end{array}$$

- **Step 2** Now I can subtract 3286.

$$\begin{array}{r} 4999 (+1) \\ \cancel{5000} \\ - 3286 \\ \hline 1713 + 1 = 1714 \end{array}$$

Vera's 5000th day birthday is in 1714 days.