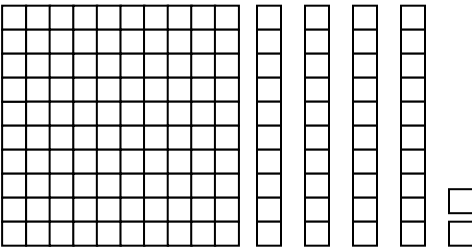
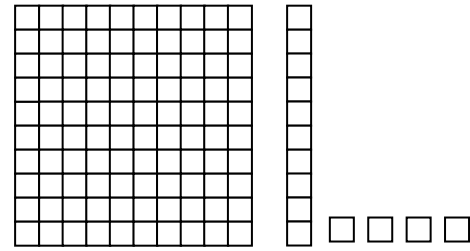


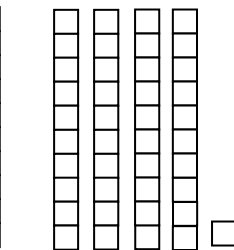
Name _____ Date _____


(2A)

1. Which picture shows the number 241?

- 

A 10x10 grid representing 100. To its right are four vertical rods, each 10 units high, representing 40. To the right of the rods are two small squares, each representing 1 unit. Total: 100 + 40 + 2 = 142.
- 

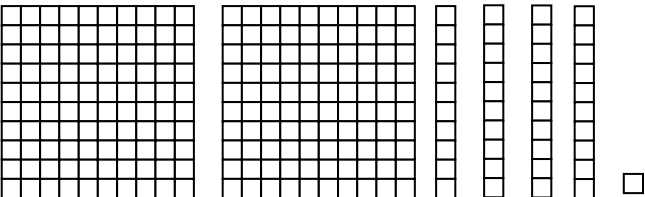
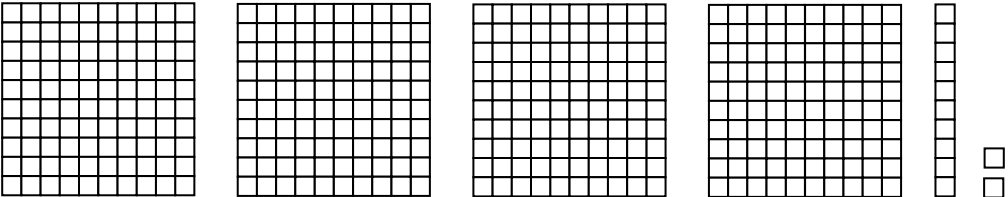
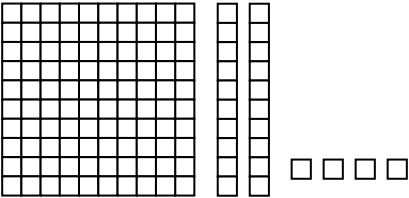
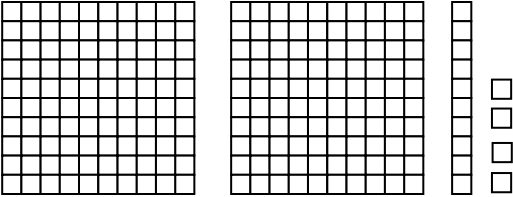
Two 10x10 grids representing 200. To the right is one vertical rod representing 10. To the right of the rod are four small squares representing 4 units. Total: 200 + 10 + 4 = 214.
- 

Two 10x10 grids representing 200. To the right are four vertical rods representing 40. To the right of the rods is one small square representing 1 unit. Total: 200 + 40 + 1 = 241.
- 

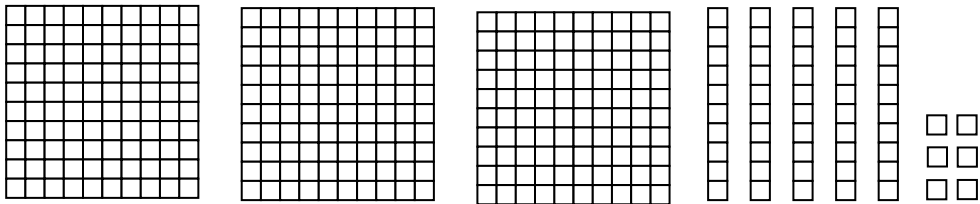
Two 10x10 grids representing 200. To the right are two vertical rods representing 20. To the right of the rods is one small square representing 1 unit. Total: 200 + 20 + 1 = 221.

(2A)

2. Which picture shows 124?

- 
- 
- 
- 

(2A)



3. Which number is shown by the blocks in the picture?

- 356
- 653
- 536
- 563

(5C)

4. Write a story problem that can be solved using the number sentence

$$8 - 3 = \square.$$

(25A)



Bears
\$2.00



Lions
\$3.00



Tigers
\$4.00

5. Jackie wants to donate all 3 kinds of stuffed animals to the Children's Hospital.
- She will give the hospital at least 8 animals.
 - She must include at least 1 of each type of toy animal.
 - She can spend no more than \$25.

Show one list of toys she will give to the hospital.

- Show how many of each toy she will give.
- Show the total cost of all the toys.
- Show how you got your answer.

Topic 2 (Continued): Working with Addition and Subtraction

2A: Relate whole numbers to pictorial representations of base ten blocks and vice versa

5C: Write a story problem from a subtraction number sentence.

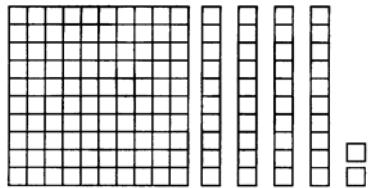
25A: Solve extended numerical and statistical problems.

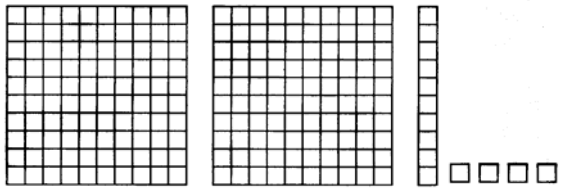
ANSWERS

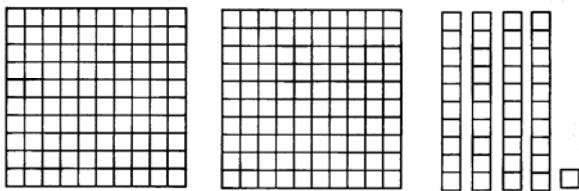
PAGE 1

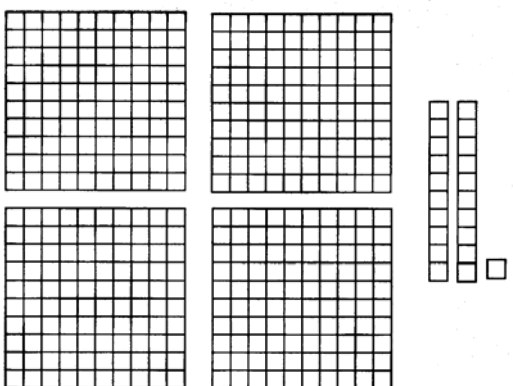
(2A)

1. Which picture shows the number 241?

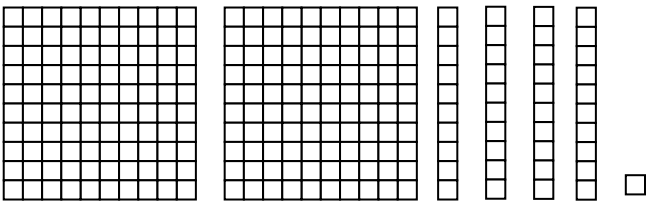
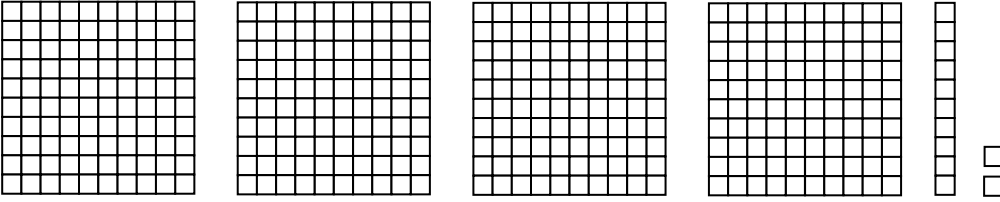
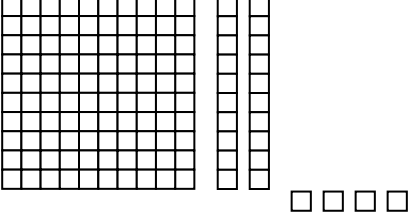
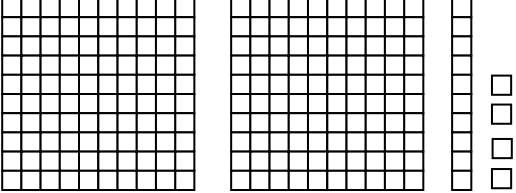
 142

 214

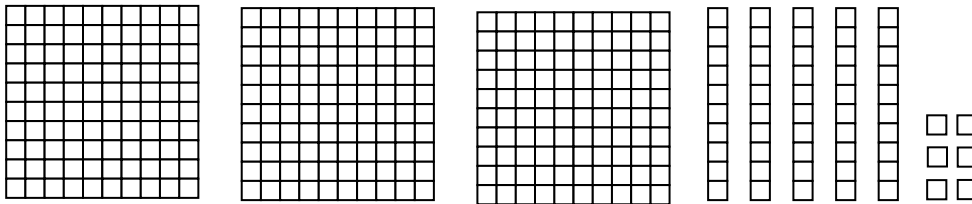
 241 ***

 421

2. Which picture shows 124?

- 241 
- 412 
- 124 *** 
- 214 

(2A)



3. Which number is shown by the blocks in the picture?

- 356 ***
- 653
- 536
- 563

(5C)

4. Write a story problem that can be solved using the number sentence

$$8 - 3 = \square.$$

TAKE-AWAY MODEL OF SUBTRACTION: There were 8 birds in a tree.

Suddenly, 3 of the birds flew away. How many birds are still in the tree? (I just hope those birds aren't doing anything rude to the poor people who are sitting under that tree just minding their own business and solving their Sudoku puzzles. SPLAT! What was that??? Stupid birds! Why didn't they ALL fly away?)

COMPARISON MODEL OF SUBTRACTION: Barbie saw 8 birds in a tree. Ken saw 3 birds in a tree. How many more birds did Barbie see than Ken did? (And I'll bet they weren't standing under the tree counting the birds, either. Of course, you gotta wonder about a couple who have nothing better to do than count birds in a tree.)

MISSING ADDEND MODEL OF SUBTRACTION: Barbie had 8 yellow birds in a cage. (Don't ask why. Trust me, you don't want to know). Ken had 3 black birds in a cage. (Have you seen the size of his birds? Holey Moley!) How many more birds does Ken need to capture in the wild in order to have as many birds in his cage as Barbie has in her cage? (I tell you, those birds of Ken's could make mince meat out of Barbie's birds! She'd better watch her birds veeeerrrrry carefully.)

COMBINED MODEL OF SUBTRACTION: Barbie had 8 birds in a cage. She noticed that 3 of the birds were yellow and that the rest of the birds were black (we're talking black as night). How many birds were black? (Oh, no! The black birds are Ken's. What happened to the other yellow birds? The black birds are stalking Barbie's yellow birds. They're getting closer and closer and closer. Oops! Bye-bye yellow birds. Bad black birds. Bad Ken.)

(25A)



Bears
\$2.00

Lions
\$3.00

Tigers
\$4.00

5. Jackie wants to donate all 3 kinds of stuffed animals to the Children's Hospital.
- She will give the hospital at least 8 animals.
 - She must include at least 1 of each type of toy animal.
 - She can spend no more than \$25.

Show one list of toys she will give to the hospital.

- Show how many of each toy she will give.
- Show the total cost of all the toys.
- Show how you got your answer.

<p>ONE POSSIBLE STRATEGY: Start with 1 of each type: $4 + 3 + 2 = \\$9$ tiger + lion + bear</p> <p>Add 1 more of each type: $9 + 9 = \\$18$ tiger + lion + teddy</p> <p>Now keep adding until exactly \$25 is reached:</p> <p>$18 + 3 = 21$ (lion) $21 + 2 = 23$ (bear) $23 + 2 = 25$ (bear)</p>	<p style="text-align: center;">RECORDING:</p> <p>2 tigers = \$8 3 lions = \$9 4 bears = \$8 TOTAL = \$25</p>
---	--

<p style="text-align: center;">One Possible Solution:</p> <p>3 tigers = \$12 3 lions = \$9 2 bears = \$4 TOTAL : \$25</p>
--

<p style="text-align: center;">One Possible Solution:</p> <p>4 tigers = \$16 1 lion = \$3 3 bears = \$6 TOTAL : \$25</p>

<p style="text-align: center;">One Possible Solution:</p> <p>1 tigers = \$ 4 5 lions = \$15 3 bears = \$ 6 TOTAL : \$25</p>
--