

# MATH SUPERSTARS - 3

## Mars, XVIII

Name: \_\_\_\_\_  
(This shows my own thinking.)

- ★ 1. Wednesday, Ashley practiced her gymnastic routine for 55 minutes. Thursday she practiced for 63 minutes. How much longer did she practice on Thursday than on Wednesday?

Answer: \_\_\_\_\_

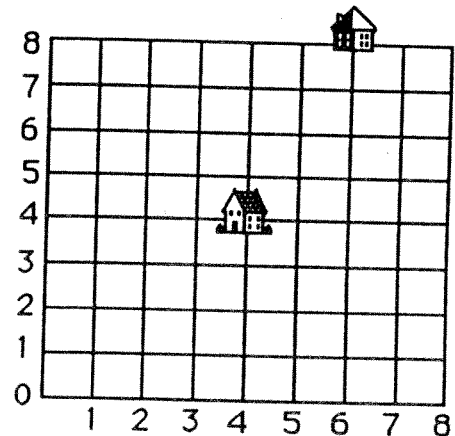
- ★ 2. What is the least three-digit number with a 3 in the tens place?

Answer: \_\_\_\_\_

- ★★ 3. Below is a grid that represents Tracy's neighborhood. Each line is a street. The school is located at point (4,4) and Tracy's house is located at (6,8). Tracy only walks *down* a block or *to the left* a block when going to school.

How many different ways can Tracy walk to school if he never goes more than 6 blocks?

Answer: \_\_\_\_\_ ways



- ★★★ 4. Circle the measurement you would use for these items: (mL = milliliter; L = liter)

- a. fish tank                      5 mL or 15 L
- b. medicine dropper              1 mL or 1L
- c. liquid soap bottle            70 mL or 70 L

- ★★★ 5. Darrell and Sara went to the library. On the table, there were twice as many art books as history books. There were two fewer history books than music books. There were four more music books than science books. There were four science books. How many books were on the table?

Answer: \_\_\_\_\_ books

★★ 6. How many rectangles are in the figure?



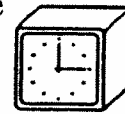
Answer: \_\_\_\_\_ rectangles

★★ 7. A strategy to add numbers mentally is called *compensation*. You change one number to make it easy to use, then change the answer to *compensate*. This is how Abraham would add  $39 + 15$ :  
 "39 is 1 less than 40.  $40 + 15 = 55$ . 1 less than 55 is 54."

Do these problems using this way to add:

$49 + 18 =$        $27 + 29 =$        $39 + 43 =$        $56 + 29 =$

★★★ 8. Name a time when the hands of a clock form a right angle. Name a time when they form an acute angle. Name a time when they form an obtuse angle.



Answer: A right angle is at: \_\_\_\_\_

An acute angle is at: \_\_\_\_\_

An obtuse angle is at: \_\_\_\_\_

★★★ 9. For a waiter, 3 apples balance with 2 tomatoes. Also, 1 cup of soup balances 4 tomatoes. How many apples balance with 1 cup of soup? Draw them on the empty plate.

