SUNSHINE MATH - 3
Mars, XIII

Name: _____

(This shows my own thinking.)

★ 1. Sue asked her friend to find the next 3 numbers in the sequence below. Write them on the blanks.

4, 9, 7, 12, 10, 15, 13, _____, _____, _____

★★★ 2. Crystal has exactly $2.40 in quarters, dimes, and nickels. She has the same number of each type of coin. What is that number?

Answer: _____ quarters, dimes, and nickels

★★★ 3. Tom, Alan, Bill, and Joe enjoy collecting insects. They made a graph to compare their collections. Study their pictograph and answer the following questions:

a. Who has the largest insect collection? _____

b. How many more insects does Alan have than Tom? _____

c. Who has exactly half the insects that Bill has? _____

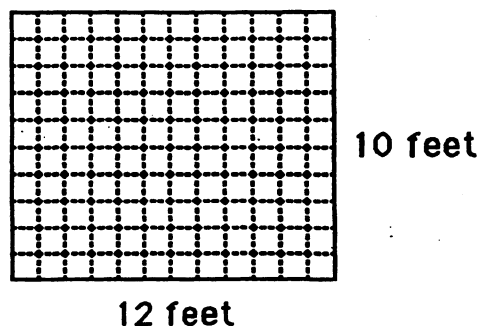| INSECT COLLECTIONS					
Tom: ✳ ✳ ✳					
Bill: ✳ ✳ ✳ ✳ ✳ ✳					
Alan: ✳ ✳ ✳ ✳ ✳					
John: ✳ ✳ ✳ ✳					

KEY: ✳ = 5 insects

★★ 4. Ted started his homework when he got home from school. He worked 45 minutes on his homework. He then walked the dog for 30 minutes. It was 5:00 when he finished walking the dog. At what time did he get home and start his homework?

Answer: _____

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★★★ 5. Brenda wants new carpet in her room. Her father told her to find the area of the room so they would know how much carpet to buy. Look at the drawing of her room and find the amount of carpet she needs. (*Area* is number of square feet in her room.)
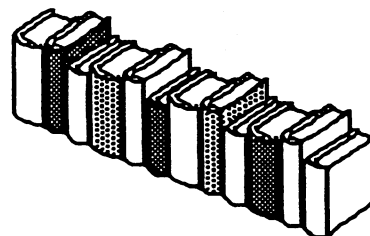
10 feet

12 feet

Answer: _____ square feet.

★★ 6. Quentin has a bag of numbered blocks. Each of the blocks has a **2, 3, 4, 5, or 6** on it. He pulled 4 different blocks from the bag. The total of the numbers on the 4 blocks was 18. What blocks did he pull out?

Answer: _____ _____ _____ _____

★★★ 7. Ellen was dusting her bookcase. The top shelf has 16 books. The second shelf has 23 books. The third shelf has 21 books. The bottom shelf has 28 books. She rearranged the books and put the same number on each shelf. How many books were on each shelf then?
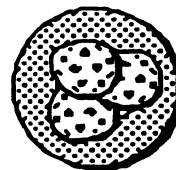
Answer: _____ books

★★★★ 8. Pam gave her friend Tammy the number riddle below. Solve it.

I am a 2-digit number less than 84. The sum of my digits is 9. The ones digit is twice the tens digit. What number am I?

Answer: _____

★★★ 9. There were 3 cookies on a plate. Henry ate $\frac{1}{3}$ of the cookies on the plate. Marsha ate $\frac{1}{2}$ of what was left. How many cookies were left for Art to eat?

Answer: _____ cookies

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Name: _____

(This shows my own thinking.)

★ 1. Stephanie had 35 crayons. She gave 12 crayons to Brian. How many crayons did Stephanie have left? Circle the number sentence that correctly answers the problem.

   a. $35 + 12 = 47$ b. $35 - 12 = 23$ c. $35 - 23 = 12$

★★★★ 2. Two dogs together weigh 36 pounds. Fido weighs twice as much as Rex. How much does each dog weigh?

   Answer: Fido:_____ pounds

   Rex: _____pounds

★★ 3. I am a number between 500 and 600. My ones digit is 5. My tens digit is the difference between my ones and hundreds digits. Who am I?

   Answer:_____

★★★ 4. Georgia and Samantha baked a cake. They wanted to divide it into two equal parts to take home and share with their families. Which of these ways below show the top of a cake pan divided into equal parts? Circle all the correct ways.

   a   b   c   d

★★★ 5. Should the object be measured in grams or in kilograms?

   a. a feather: _____

   b. bulldog: _____

   c. television set: _____

   d. a penny: _____

★★★★ 6. There are 4 more oranges than apples in the fruit bowl. There are 5 more apples than bananas. There are 2 bananas. How many of each type of fruit is in the bowl? How many pieces of fruit in all?

_____ bananas   _____ oranges

_____ apples   _____ fruit

★★ 7. Use mental math. Circle the correct amount of change:

Richard gave the cashier $5.00 for a game that costs $3.50.
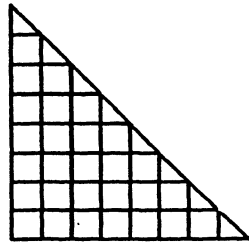
     a. $1.00   b. $1.25   c. $1.50

Cameron gave the cashier $3.00 for marbles that cost $2.25.
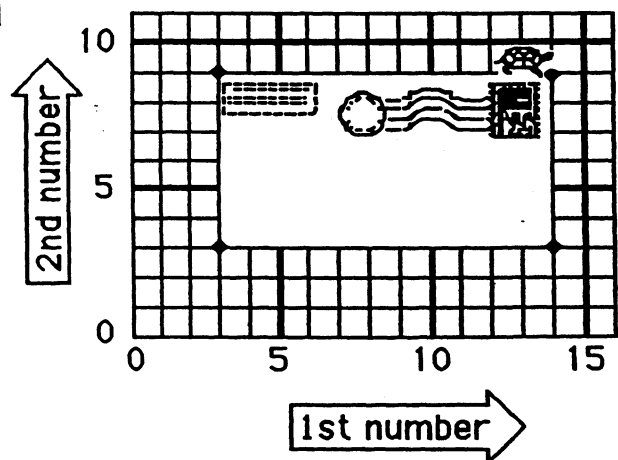
     a. $0.50   b. $0.75   c. $0.85

★★★ 8. What is the area of the triangle below?

Answer: _____ square units

★★★★ 9. Tell the turtle how to go *clockwise* around postcard. Fill in the blanks with ordered pairs of numbers from the grid.

Start at (14, 9). Turn right 90°.
Go to (___,___).Turn right 90°.
Go to (___, ___). Turn right 90°.
Go to (___, ___). Turn right 90°.
Go to (___, ___).

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Name: _____

(This shows my own thinking.)

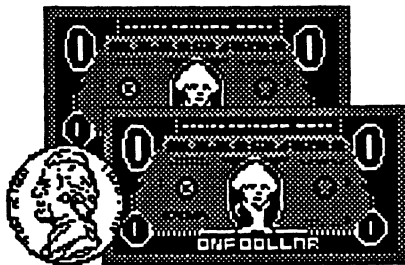★   1. Place the correct sign (=, <, or >) in the box.

$$81 \div 9 \quad \boxed{} \quad 5 \times 3$$

★★   2. Ben has 5 marbles. Kate has 7 more marbles than Ben. Tina has 9 more marbles than Kate. Who has the greatest number of marbles? How many marbles do they have in all?
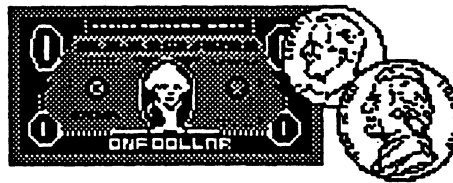
Answer: _____ has the greatest number; there are _____ marbles in all

★★★   3. Ken is buying a bicycle with money he got for Christmas. The bicycle cost $87.95. Which of the following is his change from the $90.00 he gave the clerk? Circle the correct change.
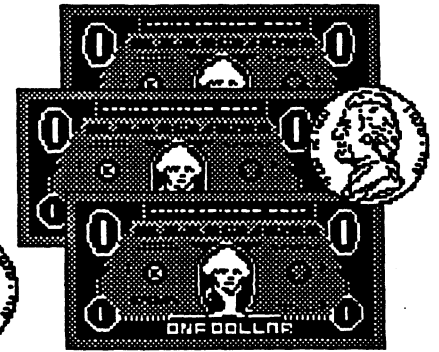
a.   b.   c.

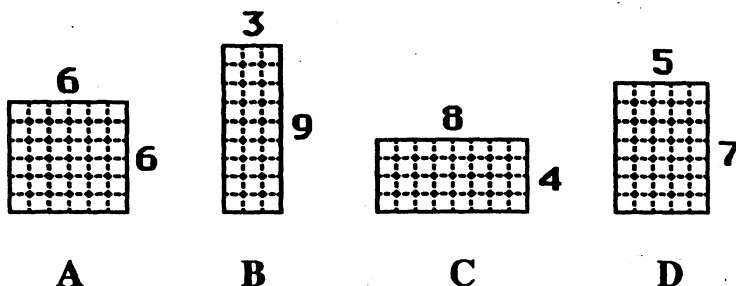★★★   4. Find the value of each item used in the following sentences.

🌴 + 🍇 = $9	🍇 + 🦂 = $13	🦂 + 🦂 = $18

Answer: 🌴 = _____   🍇 = _____   🦂 = _____

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★★★ 5. Mr. Smith is planning to fence his new garden. He has 24 feet of fencing to use around the perimeter of his garden. He wants the greatest *area* for his garden. Which of the following gardens will give him the greatest area ?   Circle your choice.

A   B   C   D

★★★ 6. Some nonsense names are given to a group of numbers that are alike in some way. This is an example:

These numbers are *kewees*:   54, 78, 112, 246, 480, 574, 942
These numbers are *not* kewees: 33, 67, 147, 259, 421, 505, 863
Which of these are *kewees*?   43, 58, 166, 369, 620, 891
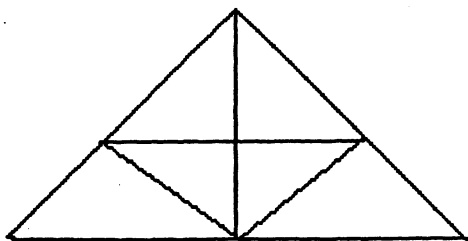
Answer : _____ _____ _____

★★ 7. Sam asked Tim to find 3 consecutive even numbers whose sum is 48. The following are examples of consecutive even numbers that do *not* sum to 48:

$$2 + 4 + 6 = 12;   4 + 6 + 8 = 18;   6 + 8 + 10 = 24.$$

Help Tim by finding 3 consecutive even numbers whose sum is 48.

Answer: _____ _____ _____

★★★★ 8. Look carefully at the triangle puzzle that Paul drew. How many triangles are there?

Answer: _____ triangles

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Name: _____

(This shows my own thinking.)

★   1. How many more people like blue than red?

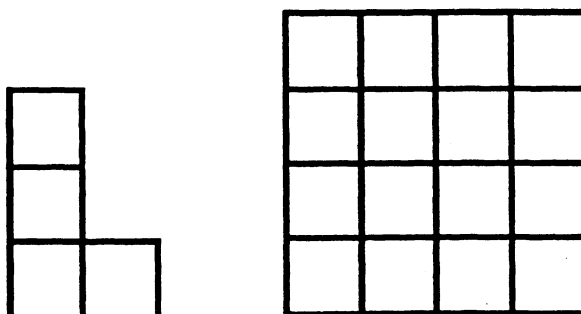| Favorite Colors	
Blue	●●●●●●●●●●
Green	●●●●●●●
Red	●●●●●●●●
Yellow	●●●●

● = 2

Answer:_____ people

★★   2. Patrick wants to make 6 bows for his Christmas presents. It takes 14 inches of ribbon to make each bow. The ribbon comes in spools of either 70 inches or 125 inches. Which size spool does Patrick need to buy?

Answer:_____

★★★   3. There are four fewer pink crayons than blue crayons in the tub. There are five more blue crayons than brown crayons. There is one less brown crayon than red crayon. There are six red crayons. How many crayons in all are in the tub?

Answer: There are _____ crayons in the tub.

★★★   4. Show how to use four of the "L-shapes" to the left below, to cover the square to the right. Color each "L-shape" a different color, inside the square.

★ 5. Practice doing these problems mentally. When you turn in your paper, you will have a problem like these to do in your head.
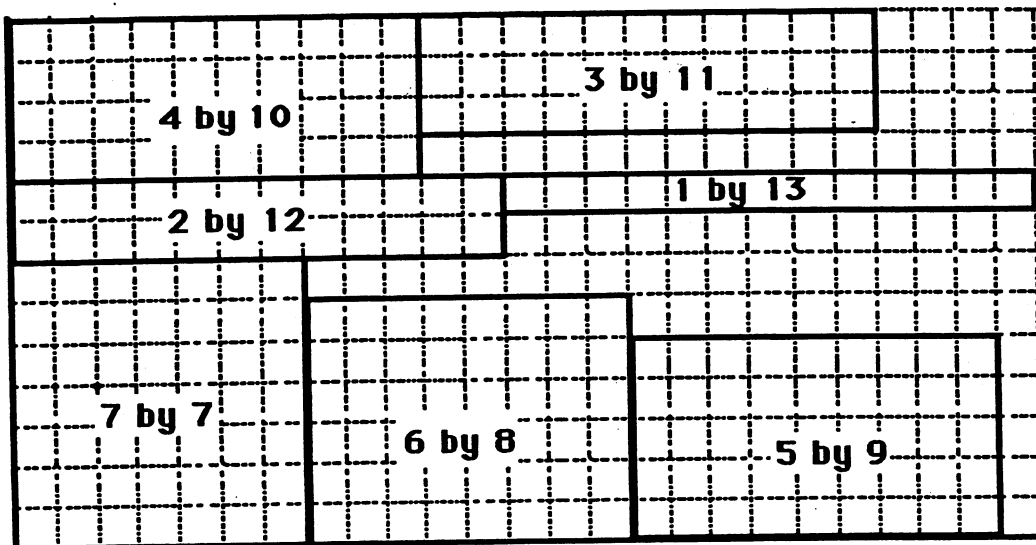
     a. 4 x 100 = _____   b. 15 x 10 = _____   c. 24 x 10 = _____

Answer for the problem given later: _____

★★★★ 6. Find the *perimeter* and *area* of each rectangle. Then answer the questions below the grid.

   (a) Do all of the rectangles have the same *perimeter*? _____ If so, what is the perimeter? ____

   (b) Do all of the rectangles have the same *area*? _____ If so, what is the area? ____

★★★ 7. Below each calculator, write a number sentence to give the answer shown. The symbols and digits to use are checked on each calculator.

   _____   _____   _____