SUNSHINE MATH - 3
Mars, IX

Name: _____

(This shows my own thinking.)

★★ 1. Ann is thinking of a number. She gives Tina this clue:

> *If you multiply my number by 4, and then subtract 3, the answer is 17.*

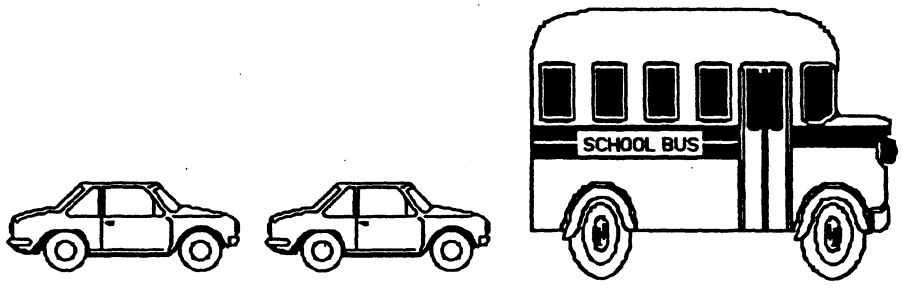
What is Ann's number ? _____

★★★★ 2. Use the symbols = (equal to) , < (less than) , and > (greater than) to compare the problems below. Work each side before deciding which sign to use. Put your answers in the boxes.

a. 23 + 42	☐	76 - 15
b. 5 x 4	☐	3 x 6
c. 27 - 13	☐	18 + 5
d. 72 ÷ 9	☐	48 ÷ 6

★★★ 3. Eighty-four students went on a field trip to another city. The school had one bus that held 68 students. The rest of the students had to travel by car. If 4 students could ride in each car, how many cars were needed?

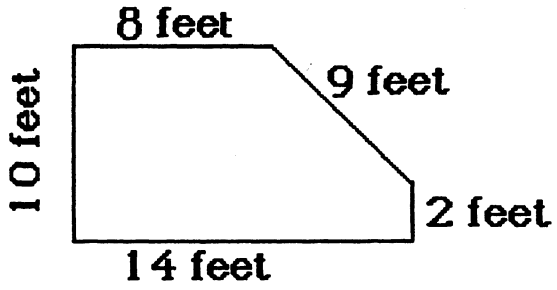
Answer: ____ cars



★★ 4. Gina is having a birthday party at home. Each time the doorbell rings, two of her friends arrive. If the doorbell rings 4 times, how many people are at the party?

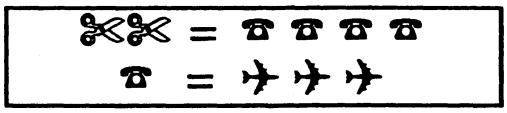
Answer : _____ people

★★★ 5. Joe's grandmother is planting a vegetable garden. She needs a fence to keep animals out. She has to know the *perimeter* of her garden to buy the right amount of fencing. How much fence does she need?



Answer: _____ feet

★★★ 6. Study the following puzzle. Then answer the question.



How many ✈'s is a ✂ worth?

Answer: _____ ✈'s

★ 7. Sergio bought a hand-held game and an adapter for $28.00. The game cost $19.00. What was the cost of the adapter?

Answer: _____

★★ 8. Tom, Bill, and Joe picked oranges from the tree in their grandfather's yard. Tom picked 12 more oranges than Joe. Joe picked 8 less oranges than Bill. Bill picked 23 oranges. How many oranges did they pick together?

Answer: _____ oranges

SUNSHINE MATH - 3
Mars, X

Name: _____

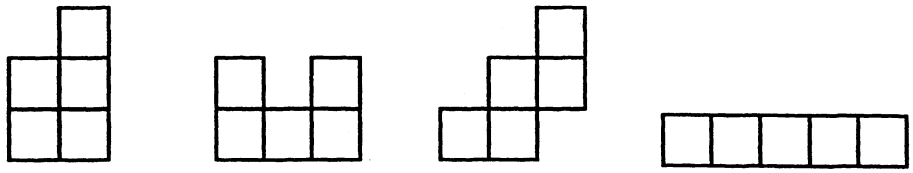
(This shows my own thinking.)

★★ 1. Shayna has a set of blocks in a bag. There are 2 squares, 5 circles, 2 triangles, and 4 rectangles. What fraction of the blocks are squares? Circles?

Answer:_____ of the blocks are squares

Answer:_____of the blocks are circles

★★ 2. Which figure will fold into an open box? Circle it



a b c d

★ 3. Which digits below are made up of only line segments? Circle them.

2 4 3 5 7

★★ 4. Rebecca bought a pack of 12 pencils. About how much did she spend? Circle your answer.

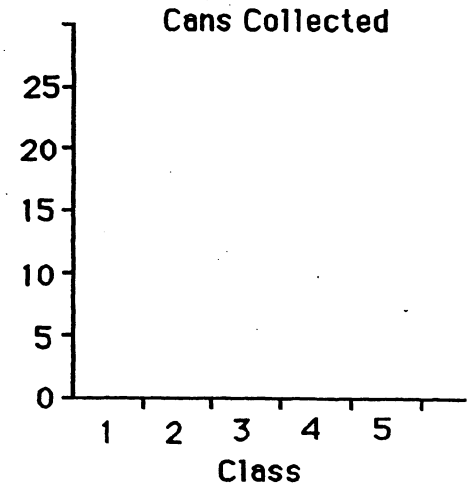
a. $2.25 b. $10.25 c. $0.10

★★★ 5. Amanda eats supper from 6:30 to 7:00. Then she watches a half-hour television program. She takes 5 minutes to brush her teeth, 15 minutes to take a bath, and 5 minutes to dress for bed. How much time is left for Amanda to read if she goes to sleep at 8:30?

Answer:_____

★★ 6. Five third-grade classes collected cans. The table gives you the data. Complete the bar graph to show the data.

Class	Cans
1	15
2	25
3	25
4	20
5	20



★★★ 7. The classes above put all their cans together. Then they divided them equally among the five classes. How many cans did each class end up with?

Answer: _____

★★ 8. Watch how Marcus multiplies in his head:

For 2 X35, first I do 2 X30 = 60. Then I do 2 X5 = 10. Last, I add 10 to 60 to get 70. So 2 X35 = 70.

Practice doing these problems the way Marcus does, in his head. You will be given a problem to do mentally when you turn in your paper.

3 X 22 = 3 X 24 = 2 X 45 =

Answer for the problem given later:_____

★★★ 9. Bart and Luwan prepared the tables for art. They put 2 pieces of poster board and 6 markers on each table. There are 24 markers on the tables. How many pieces of poster board are on the tables?

Answer:_____pieces

SUNSHINE MATH - 3
Mars, XI

Name: _____

(This shows my own thinking.)

★★ 1. What numbers belong in the following number sentences? Write your answer in the boxes.

$$288 + \square = 395$$

$$579 - \square = 395$$

★★★ 2. Mrs. Brown's third grade class planted 35 tomato seeds in their class garden. Only 4 out of every 5 seeds grew into plants. How many plants were there?

Answer: _____ plants

★★ 3. Tom has a stamp album. Each page has 5 rows of 6 stamps. He has stamps in 3 whole rows and one-half of the fourth row. How many *more* stamps can he put on that page?

Answer: _____ stamps

★★ 4. Bill needs some computer disks. At the store the plain disks are formatted for IBM. The disks with the Apple are the type he needs. Study the picture. What fraction of the disks should he buy? What fraction of the disks should he not buy?

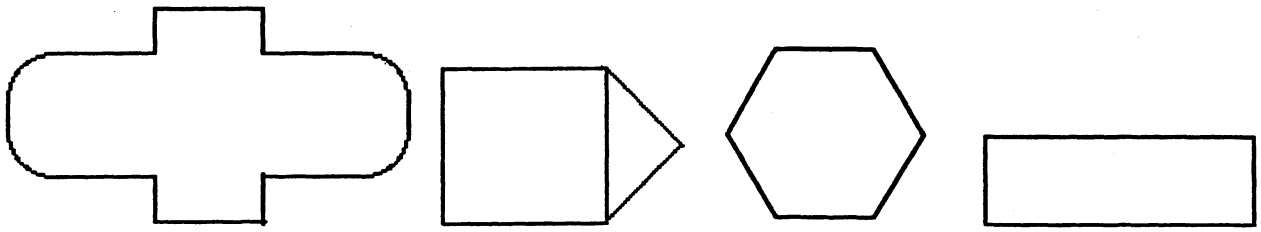
Answer : _____ of the disks he can buy

_____ of the disks he should not buy

★★ 5. Sally bought 4 stamps at 32 ¢ each. How much change should she receive from the dollar and a half she gave the clerk?

Answer: _____

★★★★ 6. Symmetry means that a shape can be folded in half and both sides will match perfectly. Draw the lines of symmetry in the shapes below. Some shapes will have more than one line of symmetry.

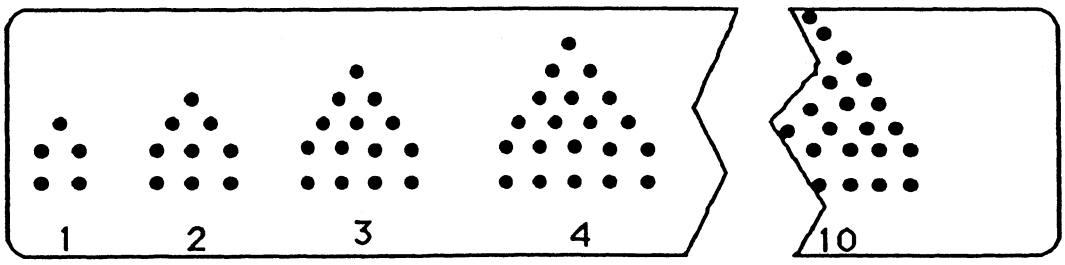


★★★ 7. The library at Miller Elementary School has an odd number of tables. Some tables will seat 4 students and some tables that will seat 6 students. A total of 32 students can sit at the tables with no empty seats. What is the number of tables of each type? (Drawing a picture might help).

Answer: _____ tables of 4

_____ tables of 6

★★★ 8. Study the pattern of dots. How many dots made the 10th figure, before the paper was cut?



Answer: _____ dots

SUNSHINE MATH - 3
Mars, XII

Name: _____

(This shows my own thinking.)

★ 1. Mrs. Boyd baked 22 rolls. She baked 12 *more* muffins than rolls. How many muffins and rolls did she bake together?

Answer:_____ muffins and rolls

★★★ 2. Mrs. Smith's class was observing birds in the trees. There were three mockingbirds and two cardinals in each tree. The class left after counting 35 birds. How many mockingbirds and cardinals did they see?

Answer: _____ mockingbirds _____ cardinals

★★ 3. Practice these problems using mental math. You will be given a problem to do mentally when you turn in your paper. (Hint: think of money)

3 x 25 = 4 x 50 = 2 x 25 = 5 x 25 =

Answer for the problem given later:_____

★★ 4. At the school store, paper costs 35¢; a pencil costs 25¢; and an eraser costs 5¢. Jamie has 50¢. Does Jamie have enough money for paper and a pencil? Katie has 75¢. Can she buy one of each item?

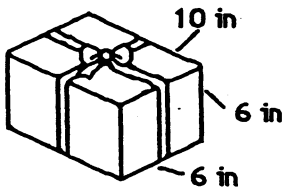
Answer for Jamie:_____ Answer for Katie: _____

★★★★ 5. Mazie counted her dimes. When she put them in groups of 4, she had two dimes left over. When she put them in groups of 5, she had one left over. What is the smallest number of dimes she could have, if she has more than 10?

Answer: _____

★★★★ 6. Joshua gave Warren a birthday present. How much ribbon did he need to go around the present and make the bow? The bow took 12 inches by itself.

Answer: _____ inches

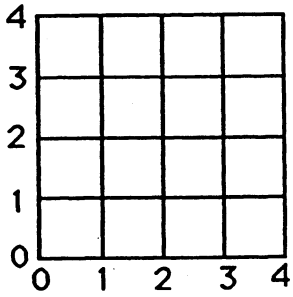


★★ 7. I am a 3-digit number less than 300. My tens digit is less than my ones digit and my ones digit is less than my hundreds digit? Who am I?

Answer:_____

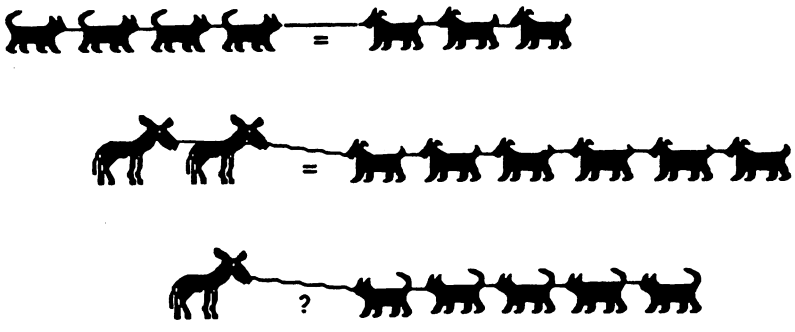
★★★ 8. On the grid below, find the point for each number pair. Connect the points in order. Name the figure. (Hint: the first number of each pair says how far *out*; the second how far *up*.)

Here are the number pairs: (1,2) (2,3) (4,3) (4,1) (2,1) (1,2)



Answer: The figure is a _____.

★★★ 9. Dogs, cats, and donkeys had a tug-of war. Four cats tied with three dogs. Two donkeys tied with six dogs. Which side won when one donkey tugged with five cats?



Answer: _____