

SUNSHINE MATH - 3

Mars, XXIII

Name: _____

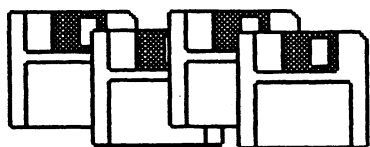
(This shows my own thinking.)

- ★★ 1. Find the missing digits in each problem. Write the numbers in the boxes.

a.
$$\begin{array}{r} 2 \square 4 \\ + \square 6 \square \\ \hline 721 \end{array}$$

b.
$$\begin{array}{r} 7 \square 1 \\ - \square 4 \square \\ \hline 86 \end{array}$$

- ★ 2. Mrs. Smith is trying to organize her computer disks. She has 46 disks to place in boxes. Each box holds 10 disks. How many boxes does she need to store her disks?



Answer: _____ boxes

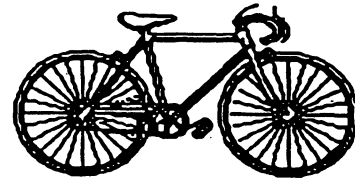
- ★★★ 3. John has drawn the stars below. He has asked you to find what fraction each type of star is of the whole group of stars.



Answer: _____ White star _____ Striped star _____ Shaded star

- ★★ 4. Bill was staring across the street where bicycles and tricycles were stored. He counted a total of 13 wheels. How many bicycles and tricycles were in the lot?

Answer: ____ bicycles and ____ tricycles.

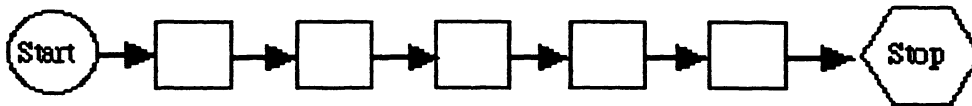


- ★★ 5. What is another answer for problem 4?

Answer: ____ bicycles and ____ tricycles.

- ★★ 6. A flowchart is used to record steps to finish a task. Place the steps below in the correct order to write a letter to a friend. Place the correct number in each box of the flowchart.

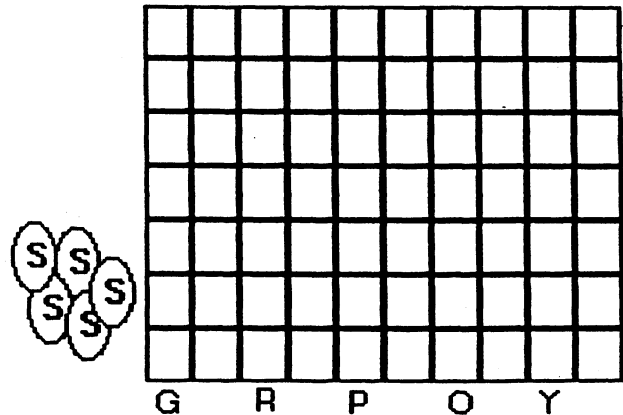
- (1) Sign the letter
- (2) Write the letter
- (3) Mail the letter
- (4) Close the letter (*Yours Truly*,)
- (5) Write the greeting (*Dear ...*)



- ★★★ 7. Bob has opened his book about motorcycles. When he added the numbers of the two pages together, the sum was 69. To what two pages was the book opened?

Answer: ____ and ____

- ★★ 8. Patty and her friends bought a bag of Skittles. They recorded the number of each color on a graph for a project. They found 6 green (G), 5 red (R), 4 purple (P), 7 orange (O), and 3 yellow (Y). Use their numbers to make a graph.



SUNSHINE MATH - 3

Mars, XXIV

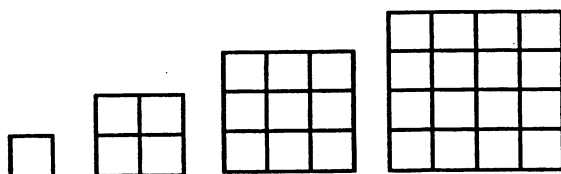
Name: _____

(This shows my own thinking.)

- ★★ 1. Write the number in the box that will make the sentence true.

$$3 \times \square + 6 - 4 = 20$$

- ★★ 2. Look at the pattern below. How many small squares would make the next largest square?

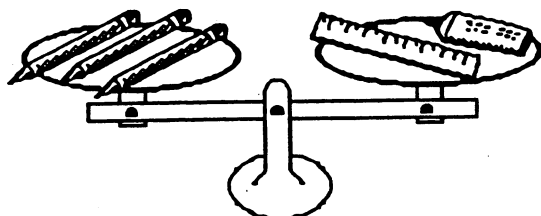


Answer: _____ squares

- ★★★ 3. Mia weighs 75 pounds. Her mother weighs 132 pounds, and her father weighs 184 pounds. The paddle boat can hold 400 pounds. Can Mia and her parents ride at the same time?

Answer: _____

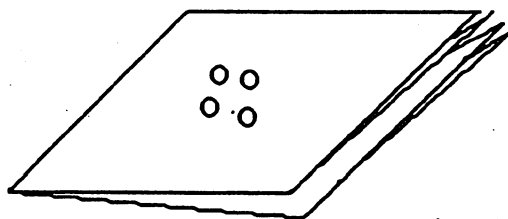
- ★★★★ 4. Each pencil weighs 3 ounces. What could the ruler and the glue weigh? Find as many solutions as you can. Fill in the chart.



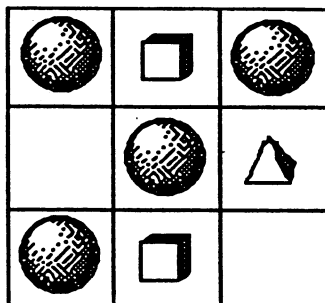
ruler	glue

- ★★★ 5. Fold a piece of paper in half twice. Punch 4 holes in the center. How many holes are in the paper when unfolded?

Answer: _____



- ★★ 6. Look at the pattern in the puzzle. Complete the puzzle with the correct shapes.



- ★★★ 7. Watch how Marcus adds when one number ends in 9:

To add 48 and 39, first notice that 39 is real close to 40, and 40 is easy to add. So I turn 39 into 40 by adding 1. Then I add $48 + 40$ in my head to get 88. Now I subtract 1 from 88 since I really had 39 to add instead of 40. So $48 + 39$ is 87.



You will be asked to add a problem in your head when you turn in your paper. Practice on these:

$29 + 67$

$38 + 19$

$39 + 25$

$34 + 49$

Answer for later problem: _____

- ★★★ 8. Write a decimal and a fraction for each part of a dollar below:

a. one cent: _____ c. one nickel: _____

b. one dime: _____ d. one quarter: _____

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Mars, XXV

Name: _____

(This shows my own thinking.)

- ★★ 1. Find the value of ■ and ▲. Use the two number sentences below for clues.

$$\blacksquare + \blacksquare + \blacktriangle = 12 \text{ and also } \blacktriangle + \blacktriangle + \blacksquare = 15$$

Answer: ■ is _____ ▲ is _____

- ★★★ 2. Write the answers in the _____ in each sentence below.

a. Paul saw 5 chickens and 6 cows.

He saw _____ legs in all.

b. Sue counted 26 legs.

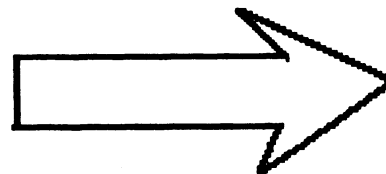
She saw 4 cows and _____ chickens.

c. Pam counted 40 legs.

She saw _____ cows and 8 chickens.



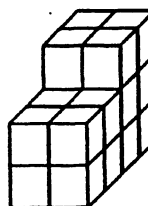
- ★★ 3. Estimate the length of the arrow in centimeters. Then measure the arrow with a ruler. Record both answers.



Answer: Estimate: _____ cm

Actual: _____ cm

- ★★★ 4. Count the cubes to find the *volume* of the steps. Remember there are some cubes you cannot see.



Answer: The volume is _____ cubes.

- ★ 5. Study the sequence and fill in the missing numbers.

1, 7, 5, 11, 9, 15, 13, _____, _____, 23, _____

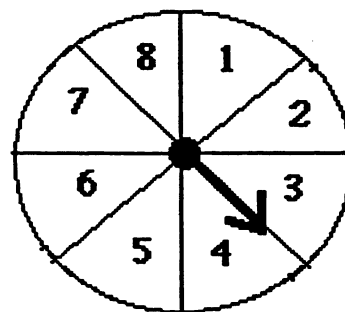
- ★★★ 6. Pam's mother baked a pie for her family. It was divided into 6 pieces. Pam's Dad ate $\frac{1}{2}$ of the pie. Mom ate $\frac{1}{3}$ and Pam ate $\frac{1}{6}$ of the pie. How many pieces did each person eat?



Answer:

Dad: _____ pieces; Mom: _____ pieces; Pam: _____ pieces.

- ★★★ 7. This spinner is divided into 8 parts. Sally and her friends are going to use it to play "Spin the Sum." Study the spinner and the questions. Write your answer as a fraction:



- a. What are the chances of getting a spin higher than 4?
- b. What are the chances of getting a spin higher than 6?
- c. What are the chances of getting a spin lower than 4?

- ★★★ 8. Make 3 rectangles with different lengths and widths. Each rectangle should have an area of 24 's.

