

SUNSHINE MATH - 5
Saturn, I

Name: _____
(This shows my own thinking.)

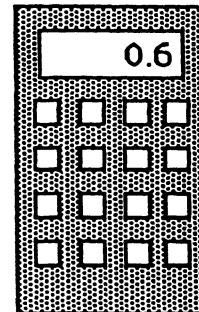
- ★★★★ 1. A worm is at the bottom of a 10 foot hill. He crawls up the hill $4\frac{1}{2}$ feet a day. At night when he rest he slides down $2\frac{1}{2}$ feet. How long does it take the worm to crawl up the hill? (Hint: Draw a picture.)



Answer: _____ days

- ★★★ 2. Jennifer was shopping, and using a calculator to find the price of a can of soda. She got the number shown on the display, but didn't know exactly how much money that was. How much money would the can of soda cost? Circle the best answer below.

- (a) \$6
- (b) \$.06
- (c) \$0.60
- (d) 60¢
- (e) 0.60¢
- (f) both (c) and (d) above



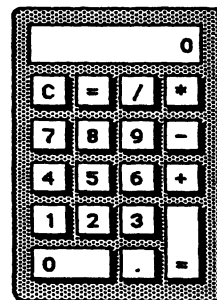
- ★ 3. If the 9th day of a month is on Tuesday, on what day is the 25th?

Answer: _____

- ★★★ 4. Put one digit from {1, 0, 3, 7} in each box to get the correct long division problem.

$$\begin{array}{r} 4 \ 3 \\ \square \overline{) \square \square \square} \end{array}$$

- ★ 5. Use this calculator in geometry. Circle two sides you could use to draw a set of *parallel* lines.



- ★★ 6. Use a ruler and measure the pencil below to the nearest millimeter.



Answer: _____ mm

- ★★★★ 7. Mrs. Jones had some white paint and some green paint, and a bunch of wooden cubes. Her class decided to paint the cubes by making each face either solid white or green. Juan painted his cube with all 6 faces white--Julie painted her cube solid green. Hector painted 4 faces white and 2 faces green. How many cubes could be painted in the fashion, so that each cube is different from the others? Two cubes are alike if one can be turned so that it exactly matches, color for color on each side, the other cube.

Answer: _____ cubes can be painted so they are different

- ★ 8. Letia bought a milk shake at the ice cream shop, and gave the clerk a \$10 bill. She got \$9.61 in change. Is this reasonable? Why or why not?

Answer: _____

- ★★★ 9. The sum of my two digits is 13. I am not divisible by 2. List all possible numbers I could be.

Answer: _____

SUNSHINE MATH - 5

Saturn, II

Name: _____

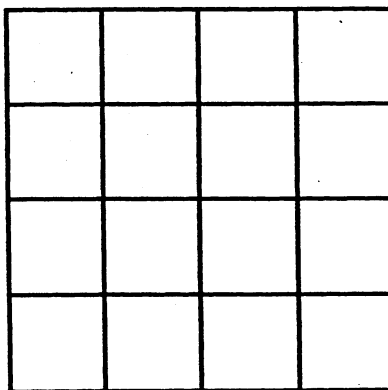
(This shows my own thinking.)

- ★★★ 1. Use each of these digits one time in the number sentence below: 2, 4, 6, and 8. Fill in the blanks to produce the answer "14." Remember that you compute inside parentheses first.

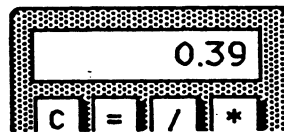
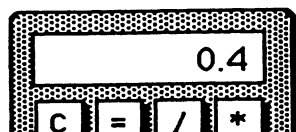
$$(___ \div ___) + (___ \times ___) = 14$$

- ★★ 2. How many squares can be found in the figure to the right?

Answer: _____ squares



- ★ 3. Tamisha did a problem two different ways on her calculator. She got two different answers. Which of the two answers below represents the largest number? Circle it.



- ★★ 4. The girl scouts were going on a field trip to the zoo. There are 25 people going. They rented vans and each van has only 7 seat belts. How many vans do they need?

Answer: _____ vans

- ★ 5. Write the standard numeral: $9000 + 700 + 8 + 0.6 =$ _____

★★★★ 6. What do you know about metrics? Circle the answers below that would make sense.

- | | | | |
|---|---------|---------|---------|
| a. The weight of a pineapple: | 1 kg | 1 g | 1 mg |
| b. The capacity of a can of soda: | 35 mL | 3.5 mL | 350 mL |
| c. The temperature on a summer day: | 30° C | 3° C | -3° C |
| d. The distance from New York to Miami: | 2200 cm | 2200 km | 2200 mm |

★★★ 7. A class of 25 students has 10 boys. Three boys have braces and 4 girls have braces.

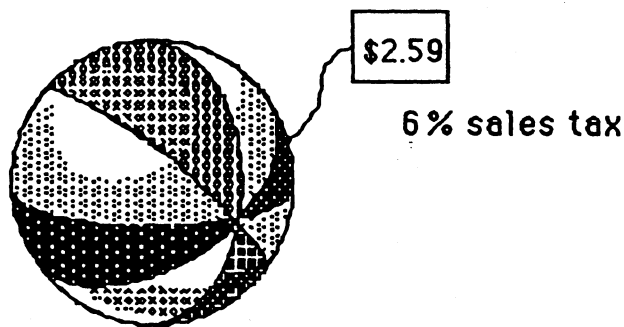
- a. What is the ratio of boys with braces to boys in class? _____
- b. What is the ratio of girls with braces to girls in class? _____
- c. Which of the two above ratios is larger? _____

★★★★ 8. The price and the sales tax are given. Compute the total cost. Tell how much change you would receive from \$5.00.

Answer: _____ Total Cost

Answer: _____ Change

Beach Ball



SUNSHINE MATH - 5

Saturn, III

Name: _____
(This shows my own thinking.)

- ★★ 1. Toni works in the school store. She sold 36 notebooks and 42 book covers. The notebooks cost \$2.38 each, and the book covers cost \$1.75 each. What is the total cost of Toni's sales?

Answer: _____

- ★ 2. A lot of students like to ride horses. Use the chart below to compare the primary grade riders (grades 1-3) with the intermediate grade riders. What is the difference in the number of riders between these two groups?

Horseback Riders

1st Grade	Ω	Ω	Ω	Ω				
2nd Grade	Ω	Ω	Ω	Ω	Ω			
3rd Grade	Ω	Ω						
4th Grade	Ω							
5th Grade	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω

Answer: _____

Key: Each Ω = 3 students

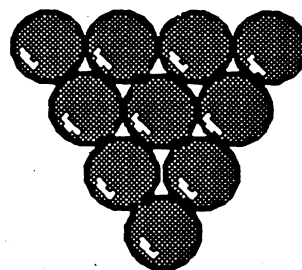
- ★★ 3. You have \$100. You spend $\frac{1}{4}$ of your money to buy a new pair of jeans. You want to save $\frac{1}{5}$ of what you have left. How much will you save?

Answer: _____

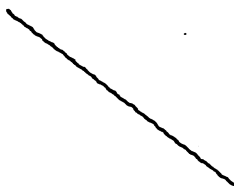
- ★★★ 4. Use these digits only once: 1, 2, 4, and 8. Write a number sentence and use any of the operations (+, -, x, ÷) as many times as you like. You must get 0 as an answer. Use parentheses if you like.

Answer: My number sentence is: _____

- ★★ 5. Draw all the *lines of symmetry* of the figures below.



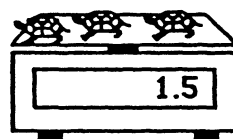
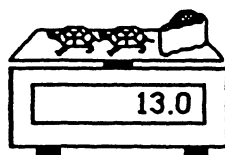
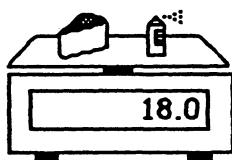
- ★ 6. Below is a *line of symmetry*. Draw a figure around it for which the line is a *line of symmetry*.



- ★★★ 7. Students arrived for school in groups. Bill was the first to arrive--consider him the "first group". Each group that arrived after Bill had two more people than the group that arrived before it. How many people were in school after 20 groups arrived?

Answer: _____

- ★ 8. How much does the can of paint weigh, by itself? Answer: ____



SUNSHINE MATH - 5

Saturn, IV

Name: _____

(This shows my own thinking.)

- ★★ 1. One, three, and six are triangular numbers. List all the other triangular numbers up to 36.

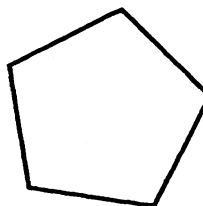


Answer: _____

- ★ 2. Jennifer earns \$5.25 an hour. Starting Monday she will get a raise to \$5.85 an hour. She works 40 hours each week. How much more will she make next week than she made last week?

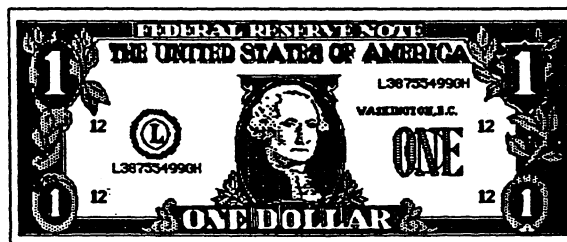
Answer: _____

- ★★ 3. A diagonal joins two vertices of a polygon. Draw all the diagonals in the polygon to the right.



- ★★ 4. Marti plans to save 25% of the money she makes over the summer washing cars.

- a. Shade in about 25% of the figure to the right to show how much she will save from every dollar she earns.



- b. How much will Marti save for each car she washes for \$5?

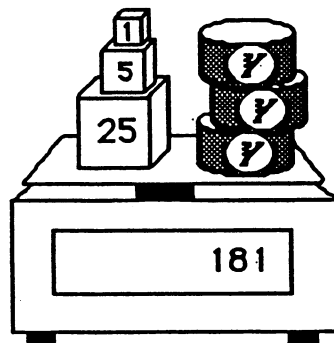
Answer: _____

- ★★ 5. The Phillips family wants to fence their backyard. They know the yard has a perimeter of 24 meters, and an area of 32 square meters. What is the yard's length and width?

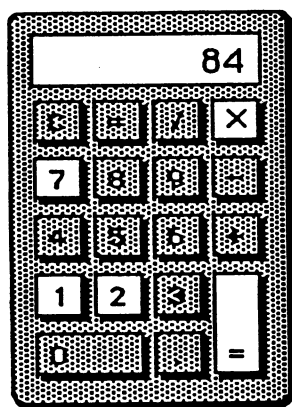
Answers: The length is _____ meters, and the width is _____ meters.

- ★★★ 6. Y stands for the weight of 1 can of tuna fish on the scale. Find Y .

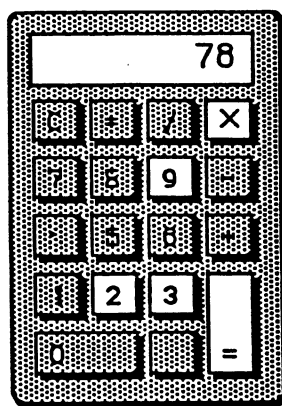
Answer: $Y = \underline{\hspace{2cm}}$



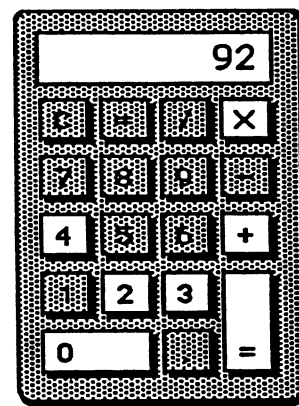
- ★★★ 7. Write the problems and answers below each calculator:



$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

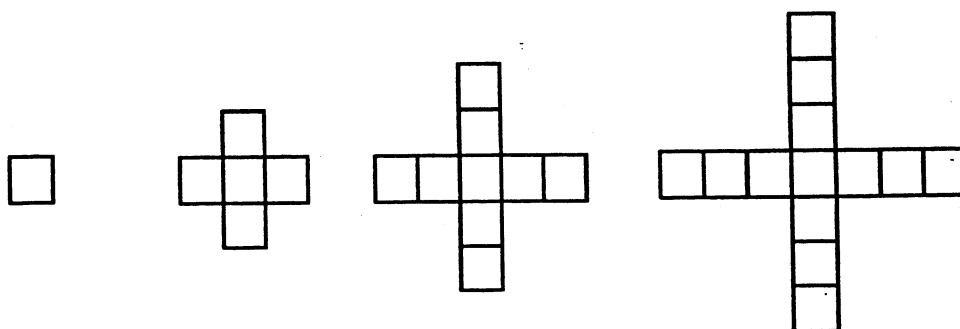


$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

- ★★ 8. Look at the pattern below. How many squares would be in the 10th shape in the pattern?



Answer: $\underline{\hspace{2cm}}$ squares