SUNSHINE MATH - 3
Mars, V

★★ 1. Write the following in standard form without adding.

$$30 + 700 + 8 + 5,000$$

Answer: _____

★★ 2. There are 5 red, 3 green, and 4 blue marbles in a bag. What would be the chance of getting a red marble if the marble was pulled out of the bag without looking?
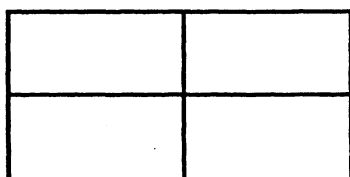
Answer: _____

★★★ 3. The 30 students in Mrs. Brown's third grade class are preparing for a Trivia Contest in the afternoon. Each team will have 4 members. How many teams can the students make if two classmates are absent?

Answer: _____teams

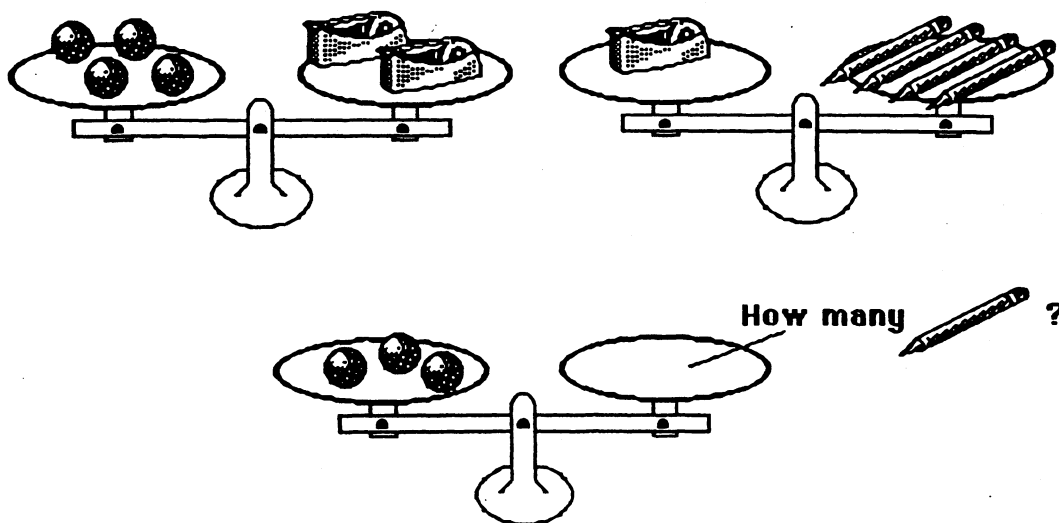★★★★ 4. Find the number of rectangles in this *visual challenge* presented by David.

Answer: _____ rectangles

23

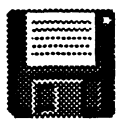★★ 5. Laquinda has a number riddle for you to solve:

I am a **two-digit number less than 40.** You say me when you count by **fives.** The sum of my digits is **7.** What number am I?

Answer: _____

★★★★ 6. Look at the top two scales. Decide how many pencils would balance three marbles. Draw that number of pencils on the bottom scale.
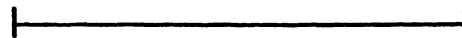
How many ✏ ?

★★★ 7. Dan went to the bookstore. He has spent $17.00 of his $20.00 already. He needs to buy a few disks. How many can he buy with his remaining money if each disk costs 90¢?

90 ¢ each   Answer: _____ disks

★★ 8. Use the line to the right as 1 unit. Measure the length and width of this paper. Measure to the nearest whole number.

├────────────────┤

Answer: _____ units long and _____ units wide

24

SUNSHINE MATH - 3
Mars, VI

★★ 1. How many 2-ounce hot dogs would make a pound?

Answer:_____hot dogs

★★★ 2. Write a number sentence using all of the given numbers and symbols.

6, 9, 7, 5, 3, =, +, +, -

Answer:_____

★ 3. Without adding, write the following in "standard form."
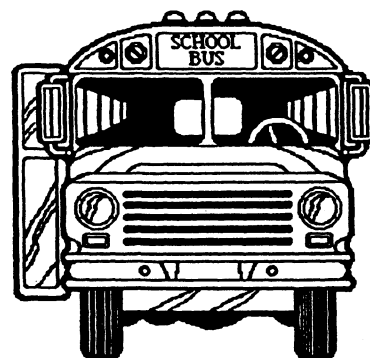
70 + 400 + 2 + 3,000 + 80,000 =

Answer:_____

★★ 4. The lunchroom workers are giving away free cookies today. They gave the first graders 4 cookies. They gave the second graders 8 cookies. They gave the third graders 12 cookies. They gave the fourth graders 16 cookies. If the pattern continues, how many cookies will the seventh graders receive?
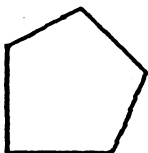
Answer:_____cookies

★ 5. The students rode a school bus on their field trip. About how many students could ride in 1 bus? Circle your best estimate.

a. 400 students   b. 40 students   c. 4 students

★★★ 6. Alexander's back yard is in the shape of a pentagon. The perimeter is 134 meters. Four of the sides measure 20, 21, 32, and 35 meters. What is the length of the fifth side?
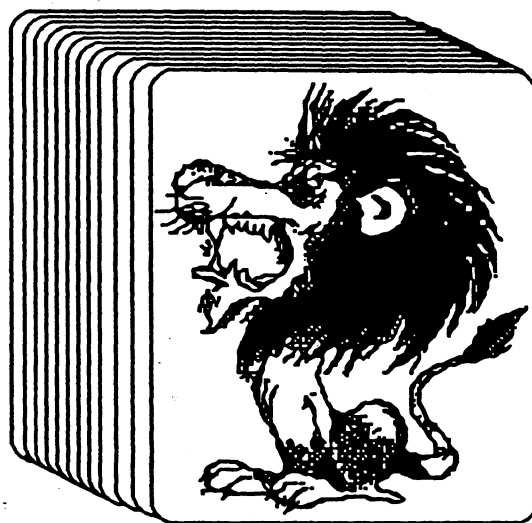
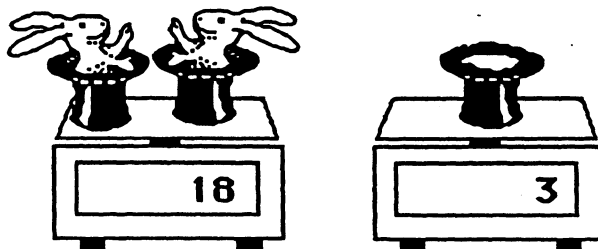Answer:_____ meters

★★ 7. Draw the next figure in the pattern.

★ 8. Darrell has a set of animal cards in a covered box. There are 2 giraffes, 5 lions, 2 monkeys, and 4 llamas. Which is more likely that Darrell will pick out of the box without looking, a giraffe card or a llama card ?

Answer: _____ card

★★★ 9. A magician weighed his twin rabbits and identical hats together and got 18 pounds. He then weighed one hat and got 3 pounds. What was the weight of one rabbit?

Answer: _____ pounds

Name: _____

(This shows my own thinking.)

★ 1. Find the mystery number (?) using the relationships shown:

$$28 : 7 \qquad 20 : 5 \qquad 16 : 4 \qquad 12 : ?$$

Answer: _____

★★ 2. John is helping his father box up used golf balls for a special sale. Each box will hold 6 golf balls. How many boxes will they need to box up 52 golf balls?

Answer: _____ boxes

★★★ 3. Solve the following magic squares. The sum across each row, and down each column, must be the same sum as the sum along the diagonal. **(Place the numbers in the boxes)**

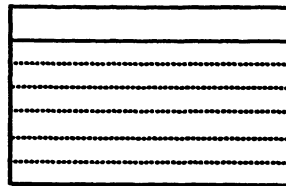|	1	8
	5	3
2		

12		14
	11	
	15	10

★★★ 4. Ricardo is 4 years older than his sister Rosa. If their ages are added together, the sum is 14. What are the ages of Ricardo and Rosa?
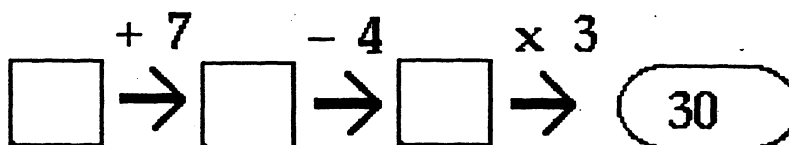
Answer: Ricardo is _____ years old.

Rosa is _____ years old.

★★★★ 5. An index card is shown to the right. How many rectangles are formed on this card?

Answer: _____ rectangles

★★ 6. What is the starting number in this puzzle?

$$\square \xrightarrow{+\ 7} \square \xrightarrow{-\ 4} \square \xrightarrow{\times\ 3} \boxed{30}$$

Answer: _____

★★ 7. How many 3-digit numbers can be made using the following digits only once in each number?

Use the digits: 2 ,   3,   4

Answer: _____ numbers can be made

★★★ 8. Pam is using beads to make a necklace. The bowl contains 40 yellow beads, 20 blue beads, and 40 red beads. If she uses *half* of each color that is in the bowl, how many beads of each type will she use?

Answer: She will use _____ yellow, _____ blue, and _____ red beads.
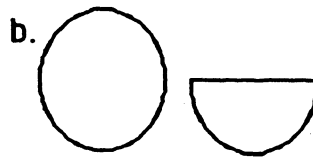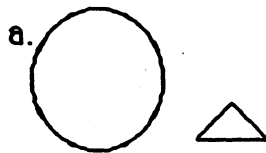
SUNSHINE MATH - 3
Mars, VIII

Name: _____

(This shows my own thinking.)
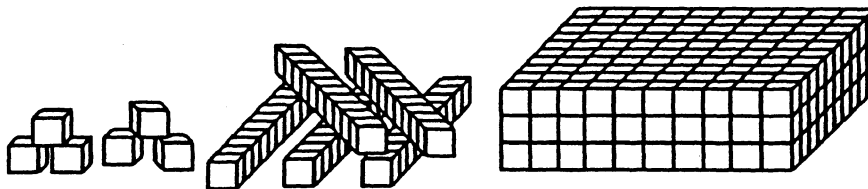
★★ 1. Notice how the two shapes are alike:

Which pair of shapes are alike in the same way? Circle your answer.

a. b. c.

★ 2. Ashley has a set of color tiles in a bag. There are 2 greens, 5 reds, 2 yellows, and 4 blues. Without looking, is Ashley more likely to pick a green tile or a yellow tile?
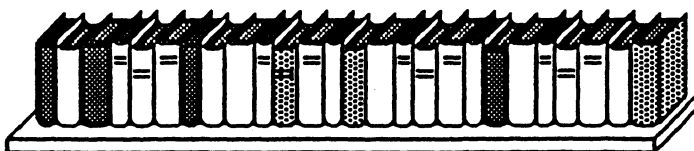
Answer:_____

★★ 3. How many small cubes are there in the entire collection below?

Answer:_____cubes

★★★ 4. There are 4 bookshelves in the classroom. Each bookshelf has room for 20 books. If Mrs. Hogan has 90 books, how many books will not be able to fit on the shelves?
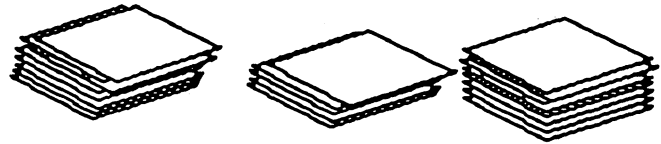
Answer:_____books

★★★ 5. Three rose and two holly bushes are planted at the first stop of the nature trail. Then three rose and two holly bushes are planted at the second stop. Rose and holly bushes are planted in the same way until 20 bushes are planted. How many rose and how many holly bushes are planted?

Answer: _____ rose bushes; _____ holly bushes

★★★ 6. Abraham had three stacks of baseball cards. One stack had 25 cards in it, the next stack had 20 cards in it, and the third stack had 30 cards. How many cards would be in each stack if Abraham made them all the same height?

Answer:_____cards

★★★ 7. Solve the magic square. The sum across each row, and down each column, must be the same as the sum along each diagonal.

5		
	6	2
3		7

★★★ 8. A can of soup weighs 251 grams. How many cans would weigh about 1 kilogram?

Answer: _____ cans