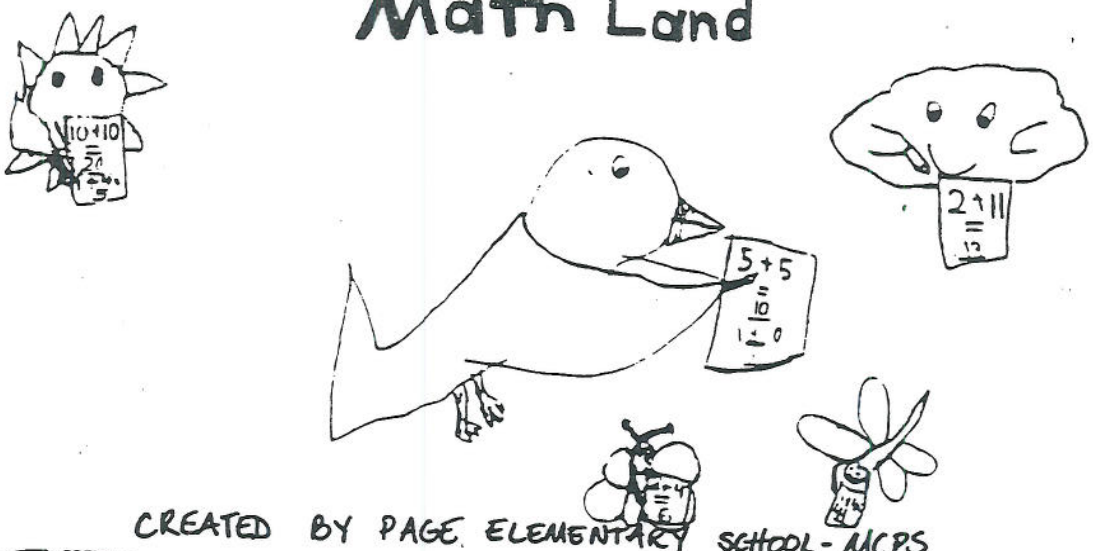
S ummer
M athematics
A ctivity
R eview
T ime

Name_____

Grade 2→3

Math Land



Summer Mathematics Activity Review Time

June 2008

Dear Families,
At McAuliffe Elementary we would like every child to complete some of this math packet during the summer break. You, the parent, can decide how much of the packet is appropriate for your child to complete.

This math packet contains activities to help your child review math concepts learned this year. Your child may complete the activities independently or with your assistance.

Students who return the math review packet during the first week back to school will be recognized for this accomplishment.

One goal of McAuliffe is to promote increased math performance at all grade levels. Completing the summer review packet allows the school, students and parents to work together to achieve this goal. For additional math practice, please visit the links from our school website at:
http://www.mcps.k12.md.us/schools/mcauliffees

Student Responsibilities:

- Work on the summer math packet
- Review math skills throughout the summer
- Return the packet to school during the first week back

Parent Responsibilities:

- Monitor student work in the math packet
- Encourage student use of math concepts throughout the summer
- Ensure the return of the math packet during the first week back to school

This summer math booklet was compiled by
Dr. Brenda H. Hammond
Page Elementary School, 2000.

Doubles and Doubles + 1

Look for a pattern.

2	2	4	4	6	6	8	8
+2	+3	+4	+5	+6	+7	+8	+9

3	3	5	5	7	7	9	10
+3	+4	+5	+6	+7	+8	+9	+9

Adding 10

Look for a pattern.

10 + 10 = ____
20 + 10 = ____
30 + 10 = ____
70 + 10 = ____

15 + 10 = ____
28 + 10 = ____
37 + 10 = ____
65 + 10 = ____

Fact Families

Write all related number + and - number sentences.

Look for a pattern.

6 + 4 = 10	8 + 2 = 10	3 + 7 = 10
4 + 6 = 10	_____	_____
10 - 4 = 6	_____	_____
10 - 6 = 4	_____	_____

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6 + 5 = 11	8 + 3 = 11	4 + 7 = 11
_____	_____	_____
_____	_____	_____
_____	_____	_____

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****

Patterns, Patterns

Fill in the blanks with the missing numbers.

13, 23, ___, 43, ___, ___, 73, ___, ___.

85, ___, 75, 70, ___, ___, ___, 50, ___.

___, 26, ___, ___, 32, 34, ___, ___, 40.

97, 95, ___, 91, ___, 87, ___, ___, 81, ___.

Add.

30 + 40	62 + 34	65 + 16	36 + 27	61 + 7	34 + 3

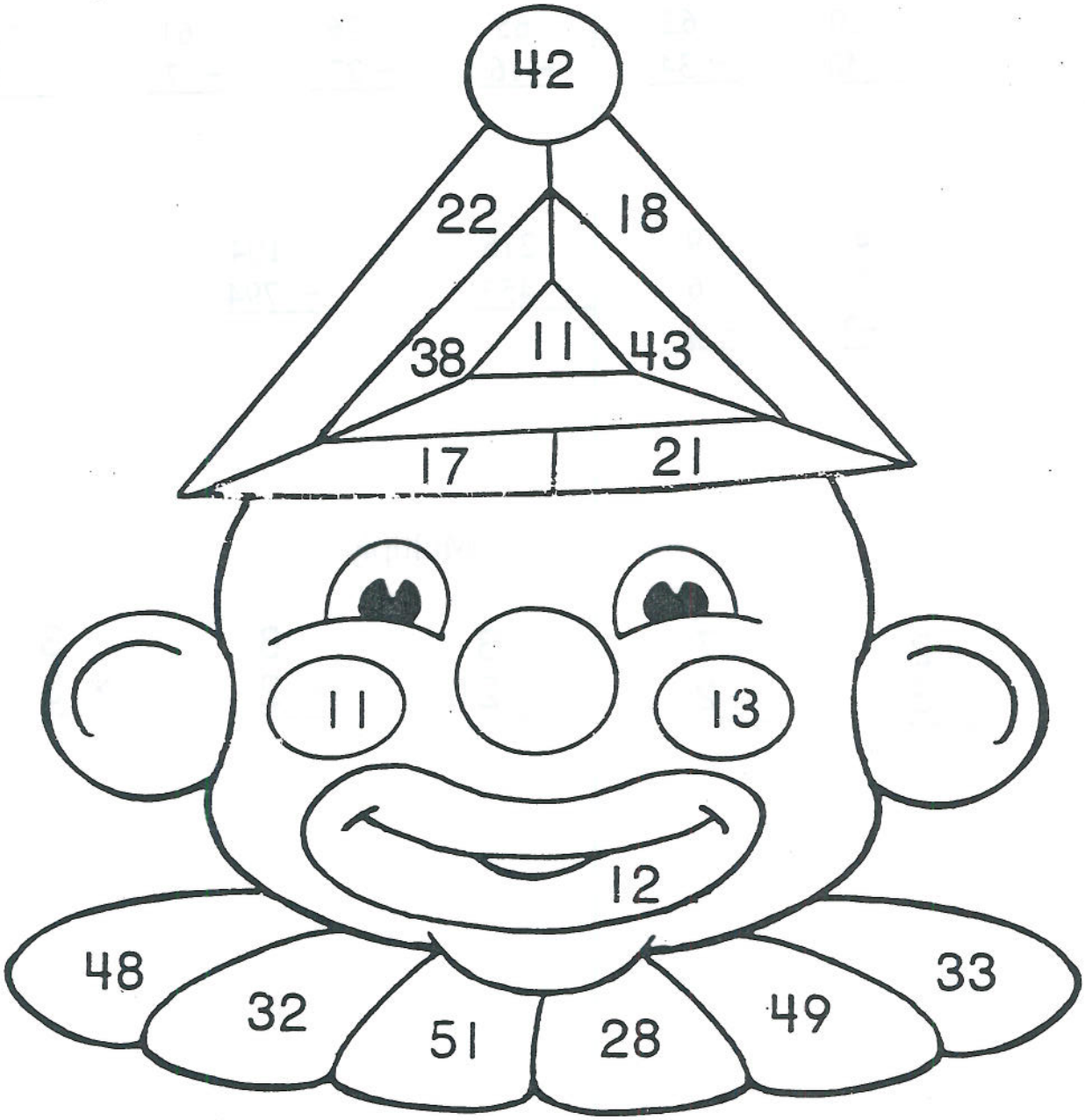
4 8 +7	9 6 + 8	216 + 453	104 + 794

Multiply.

2 × 5	7 × 2	3 × 2	8 × 2	3 × 3	2 × 6

Rounding

Color each part that is close to 10 red.
Color each part that is close to 20 blue.
Color each part that is close to 30 green.
Color each part that is close to 40 yellow.
Color each part that is close to 50 purple.

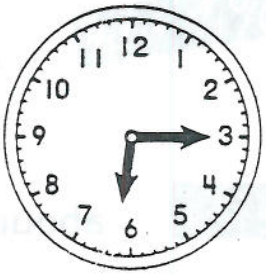


It's About Time

Circle the correct time.

7:45

7:15

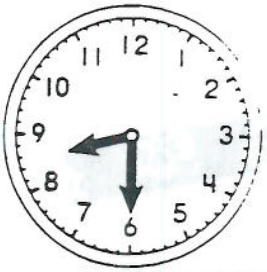


6:15

6:30

10:45

10:15



8:45

8:30

12:45

12:30

How long?

about _____ centimeters

about _____ centimeters

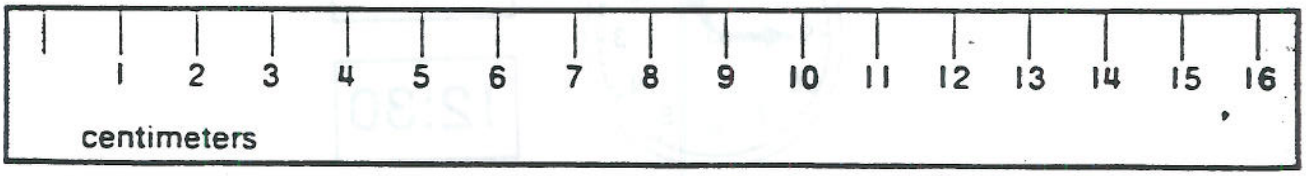
about _____ centimeters

about _____ centimeters

about _____ centimeters

about _____ centimeters

about _____ centimeters

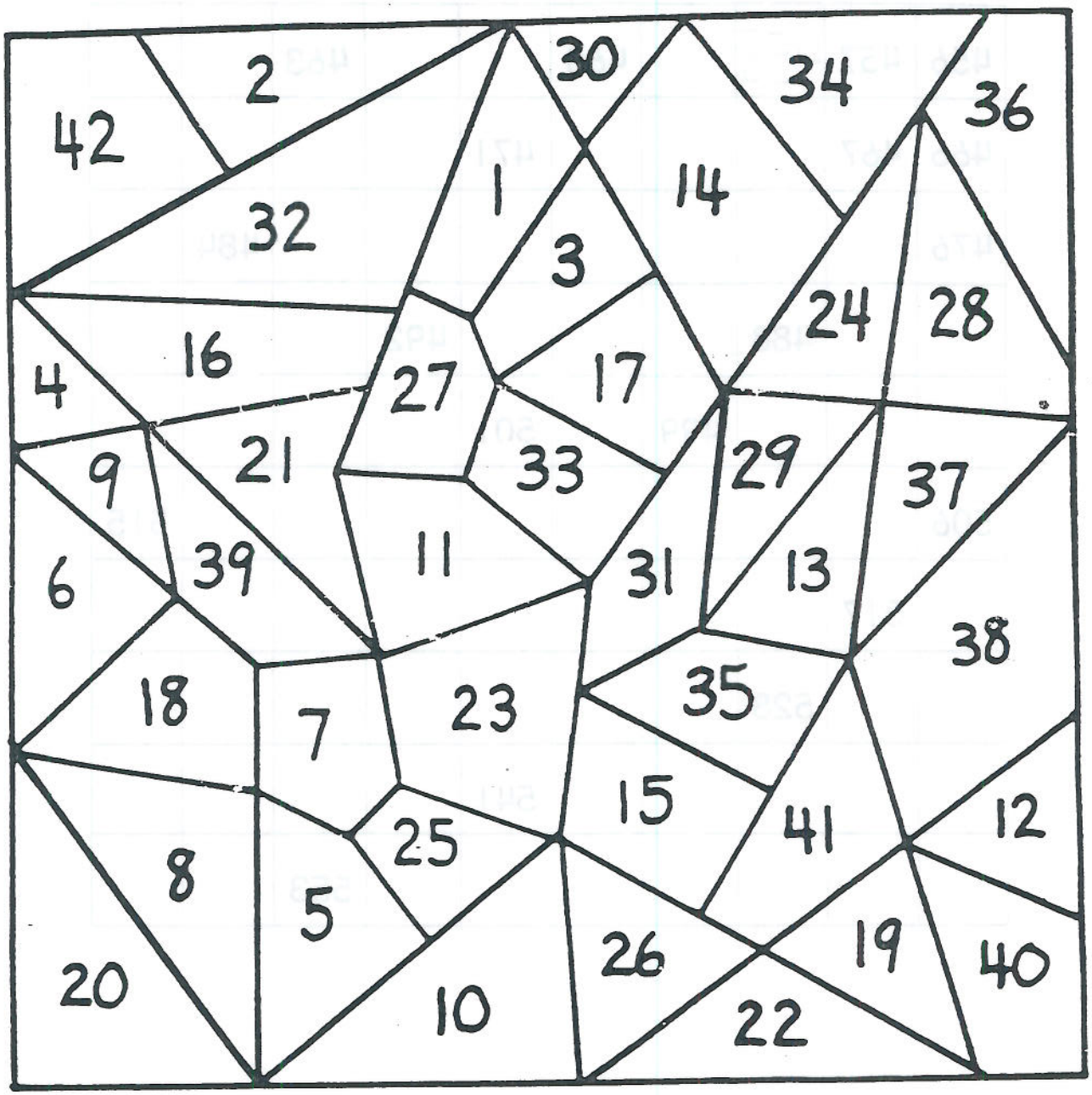


Before, After, Between

Write the missing numbers.

456	457	458		460			463		
466	467				471				
476								484	
		488				492			
			499		501				
506									515
	517								
		528							
					541				
							553		

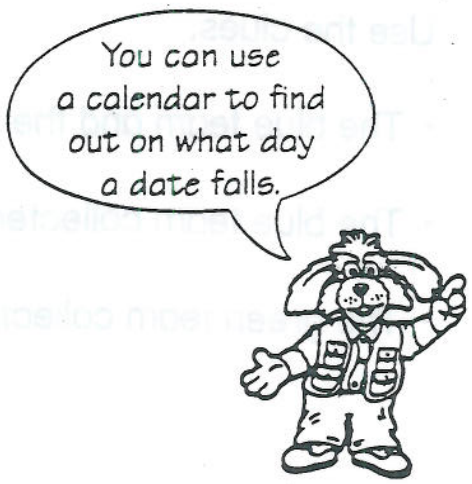
Color the shapes with odd numbers red.
Color the shapes with even numbers blue.



Make a Table

Use the calendar for February to answer questions.

February						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	



1. How many Sundays are there? _____

2. How many school days are there? _____

3. On what day is Valentine's Day? _____

4. How many days are there in February? _____

5. Complete the table below for your birthday month. Then circle the date of your birthday.

- Look at a calendar to find the day of the week for the first day of the month.
- Show the correct number of days in the month.

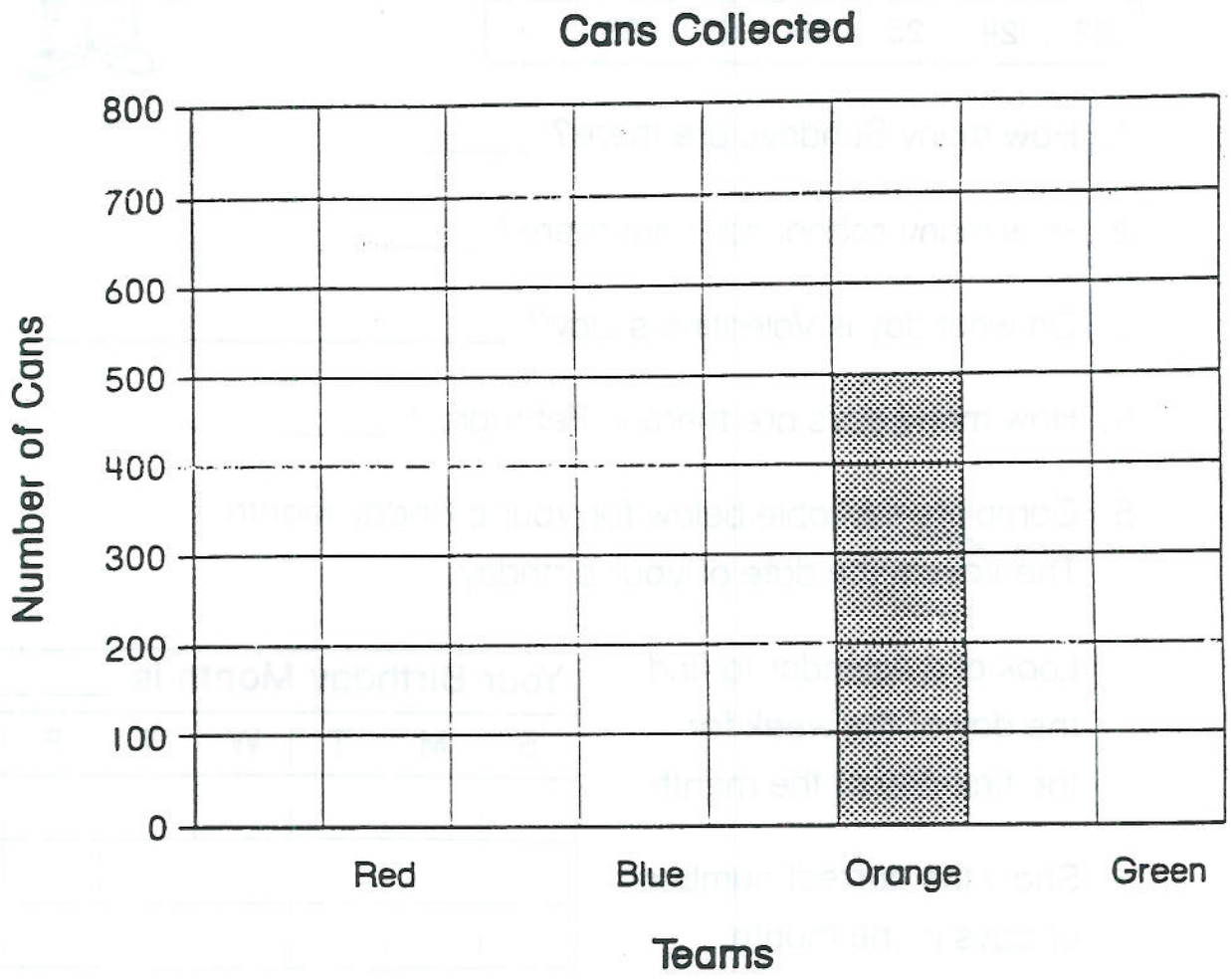
Your Birthday Month is _____						
S	M	T	W	T	F	S

Identify Hundreds

Teams of children collected cans for the recycling drive.

Complete the bar graph to show how many cans each team collected. Use the clues.

- The blue team and the red team collected the same number of cans.
- The blue team collected 100 cans more than the orange team.
- The green team collected 200 cans less than the orange team.

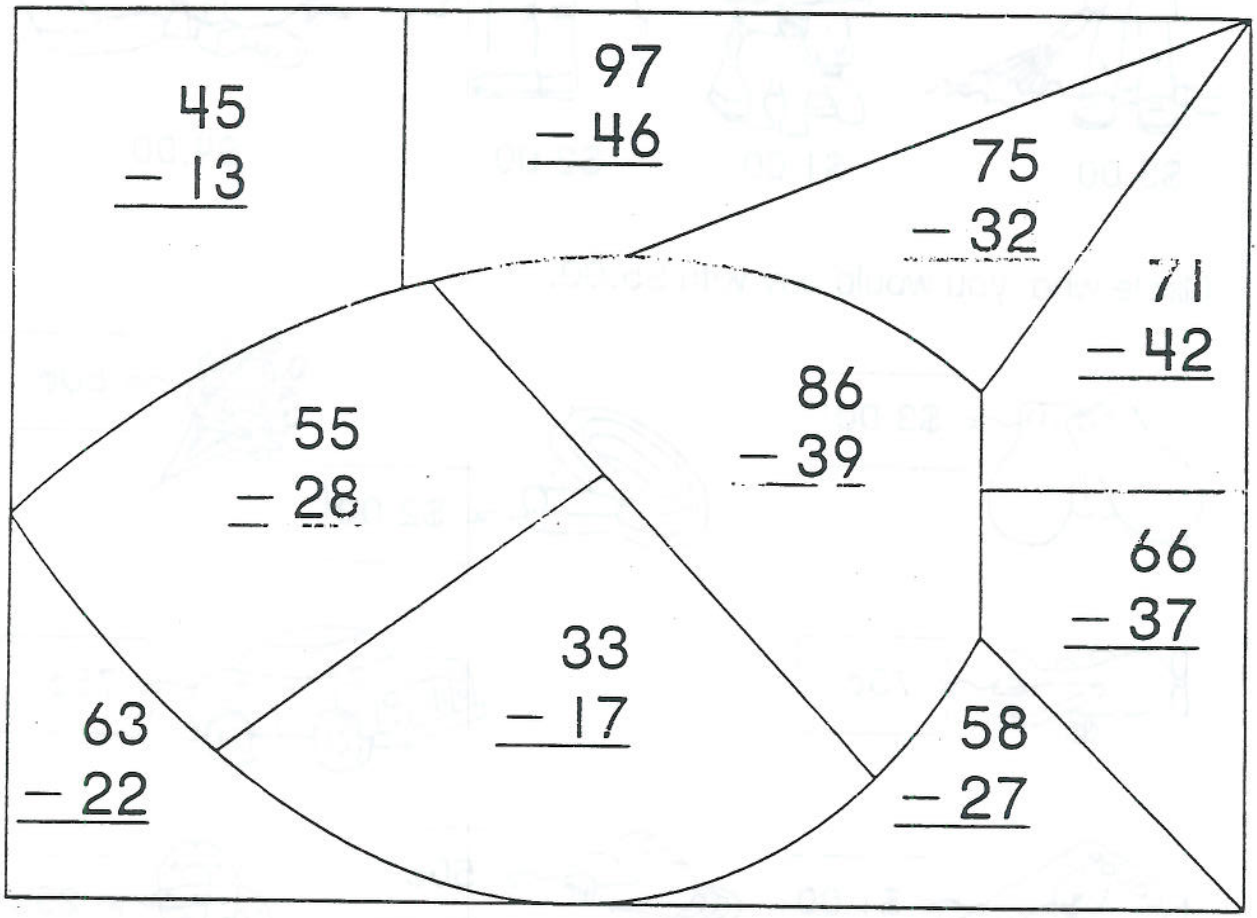


Explore Subtracting Two-Digit Numbers

Find the differences.

Color the spaces with subtraction problems that do not need regrouping blue.

Color the spaces with subtraction problems that do need regrouping red.



What shape do you see in the red spaces? _____

You want to earn $5.00.
Circle the jobs you would do.

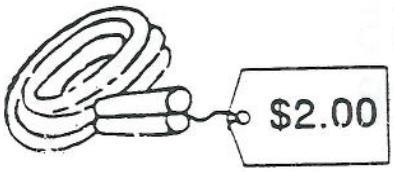
$3.00

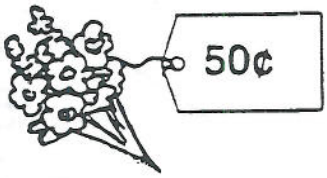
$1.00

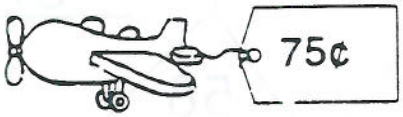
$2.00

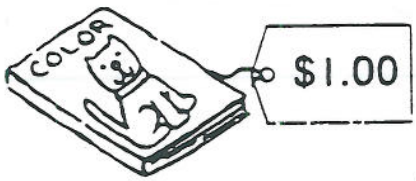
$4.00

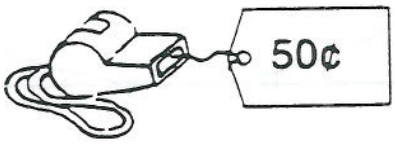
Circle what you would buy with $5.00.

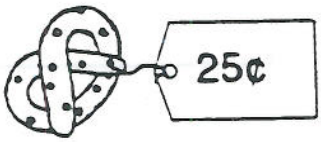




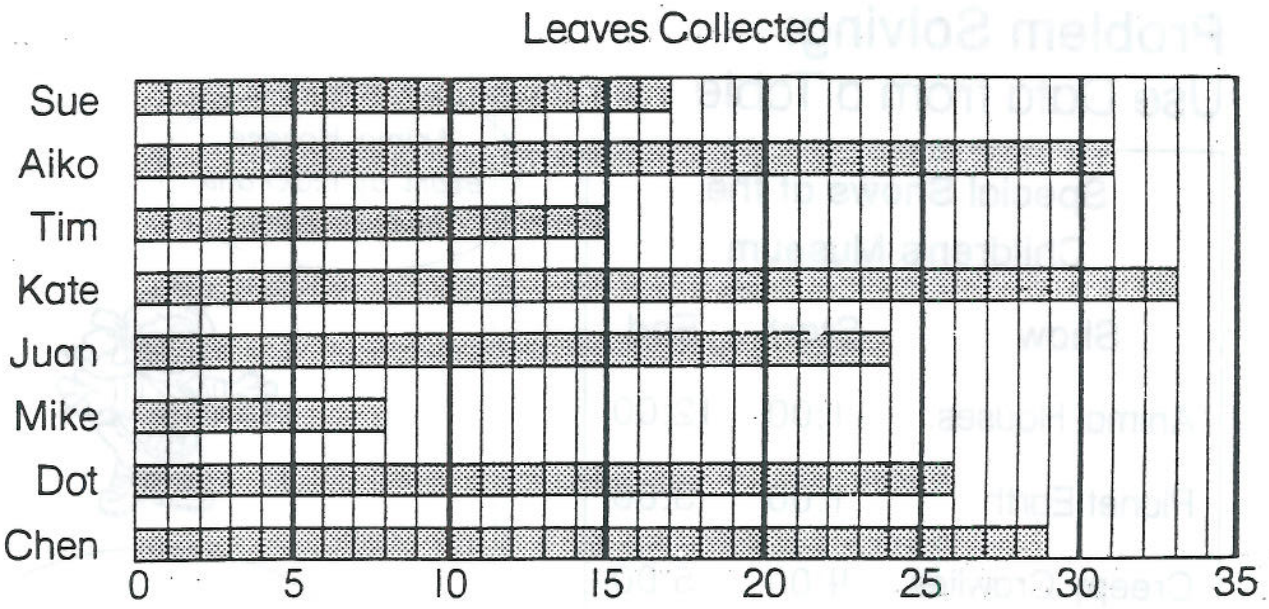








How much money is left over? _____



How many leaves were collected?

31 Aiko	_____ Juan	_____ Sue
15 Tim	_____ Aiko	_____ Mike
+26 Dot	_____ Kate	_____ Chen
72 leaves	_____ leaves	_____ leaves

Problem Solving:
Use Data from a Table

Special Shows at the Children's Museum

Show	Start	End
Animal Houses	11:00	12:00
Planet Earth	1:00	3:00
Creepy Crawlies	4:00	5:00
Amazing Chimps	2:00	4:00
Butterflies	3:00	4:00

Use the table to answer the questions.

1. What show starts at 2:00? Amazing Chimps

2. How long does the Creepy Crawlies show last? _____

3. What show ends at 3:00? _____

4. What show starts 3 hours later than Planet Earth starts?

   _____

5. What shows end after 2 hours?

   _____

Coin Combinations

There are lots of ways to make 47¢. I want to find the way that uses the fewest coins.

Color coins to show the amount in the bag.
Use the fewest coins.

1.

2.

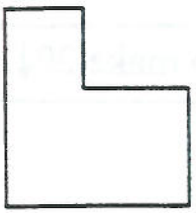
3.

4.

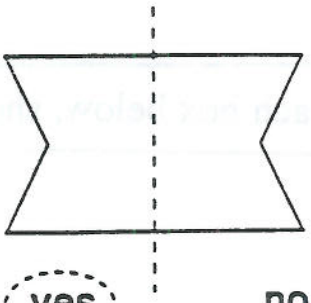
Subtract.
Which is more or most?

60 −50 10	70 −40 30	80 −40	30 −10	90 −20	80 −30
60 −30	90 −50	50 −10	30 −20	80 −60	50 −20
90 −10	80 −20	40 −10	90 −30	40 −20	70 −20

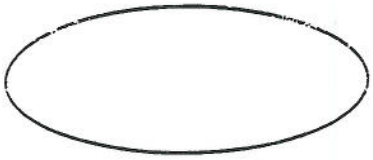
Does the shape show symmetry? Circle yes or no.
If yes, draw one line of symmetry.

1. 

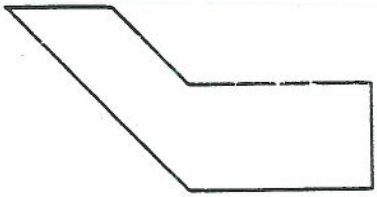
yes (no)

2. 

(yes) no

3. 

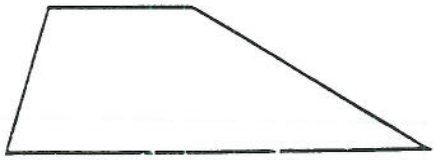
yes no

4. 

yes no

5. 

yes no

6. 

yes no

Try 20

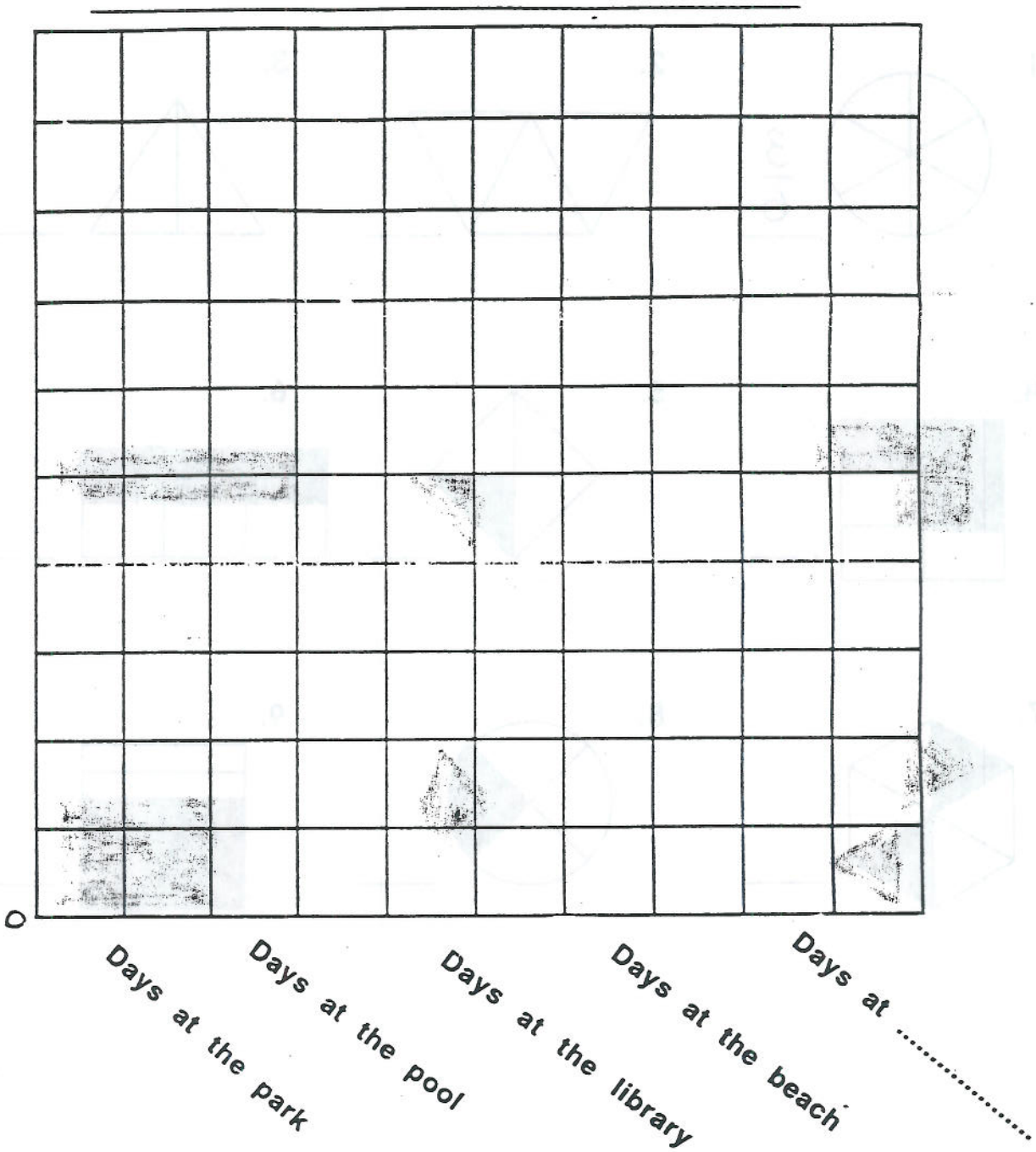
Get some coins. Count out twenty cents.
Draw a picture of the coins you selected.

In each box below, show a different way to make 20¢.

Graph It!

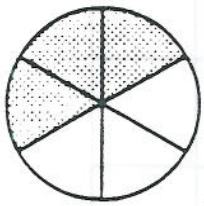
Use the information about your vacation to construct a bar graph.

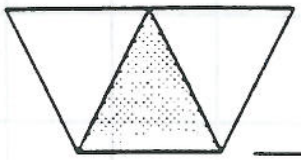
Remember your graph must have a title, labels, and start with the number 0.

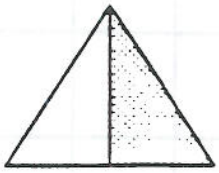


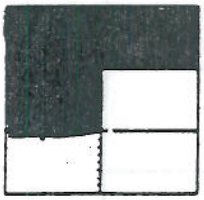
20

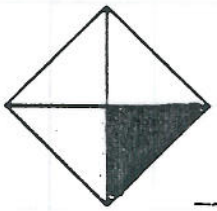
What part is shaded? Write the fraction.

1.  $\frac{3}{6}$

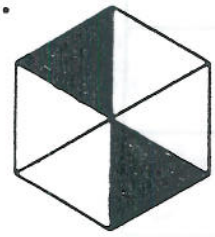
2.  ____

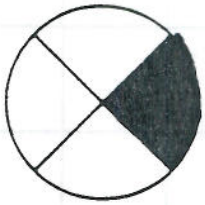
3.  ____

4.  ____

5.  ____

6.  ____

7.  ____

8.  ____

9.  ____

Place value

Write the number.

1. 2 hundreds 4 tens 6 ones 246

2. 7 hundreds 2 tens 0 ones _____

3. 6 hundreds 9 tens 9 ones _____

4. 9 hundreds 6 tens 1 one _____

5. 0 hundreds 5 tens 3 ones _____

6. 5 hundreds 0 tens 7 ones _____

Write how many.

7. 438 4 hundreds 3 tens 8 ones

8. 172 ____ hundreds ____ tens ____ ones

9. 85 ____ hundreds ____ tens ____ ones

10. 310 ____ hundreds ____ tens ____ ones

11. 804 ____ hundreds ____ tens ____ ones

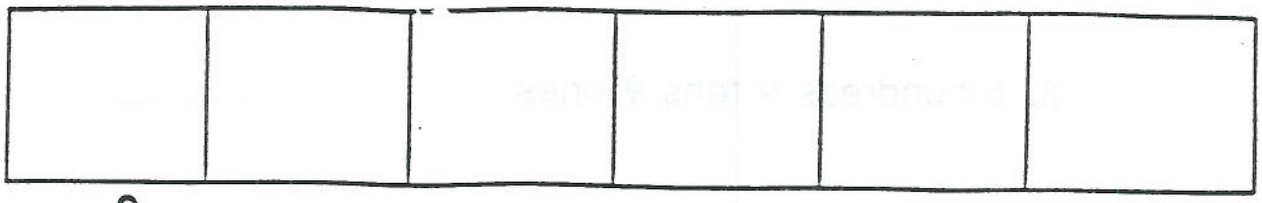
22

Fraction Fun

Materials: Crayons

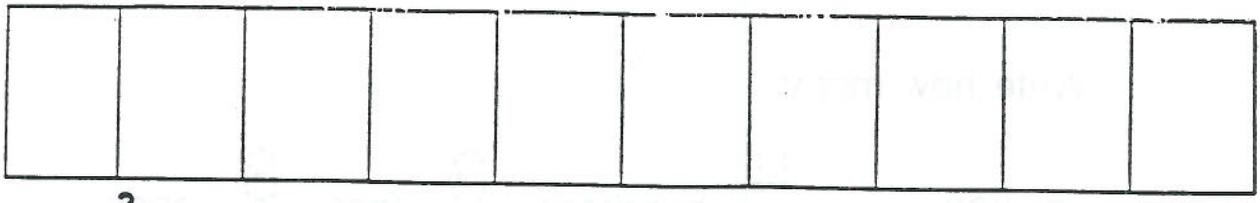
Color the fraction of the bar.

1. Color $\frac{5}{6}$.

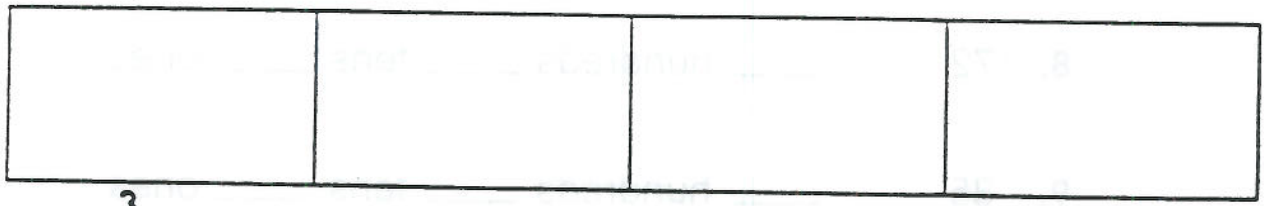


2. Color $\frac{2}{3}$.

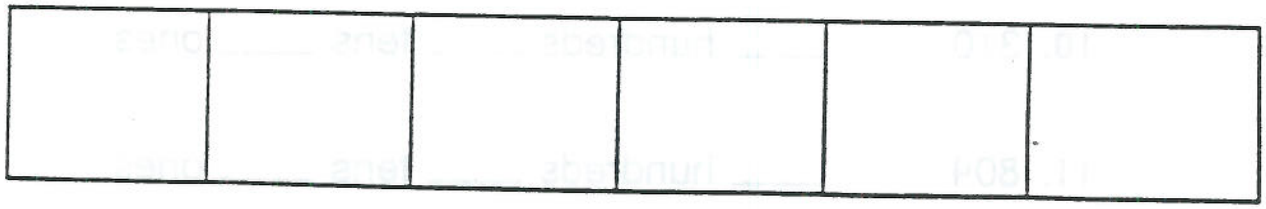
3. Color $\frac{7}{10}$.



4. Color $\frac{3}{4}$.



5. Color $\frac{3}{6}$.



Ordinal Number Riddles

Solve the riddle.
The directions will tell you on which blank to write the letters.

What has hands and a face and cannot touch or smile?

* O on the fourth
* A on the first
* K on the sixth
* C on the second
* L on the third
* C on the fifth

_____ _____ _____ _____ _____ _____

You are a ___ ___ ___ ___ ___ ___ ___ ___ ___ !

* U on the second
* E on the fourth
* R on the fifth
* S on the first
* S on the sixth
* T on the seventh
* P on the third
* R on the ninth
* A on the eighth

****
****

Circle the problems in which you subtract 0.
Draw a box around the problems in which you subtract all.

Examples

$$\begin{array}{r} 5{,}689 \\ -\ 0 \\ \hline 5{,}689 \end{array} \qquad \begin{array}{r} 5{,}689 \\ -\ 5{,}689 \\ \hline 0 \end{array} \qquad \begin{array}{r} 15 \\ -\ 4 \\ \hline 11 \end{array}$$

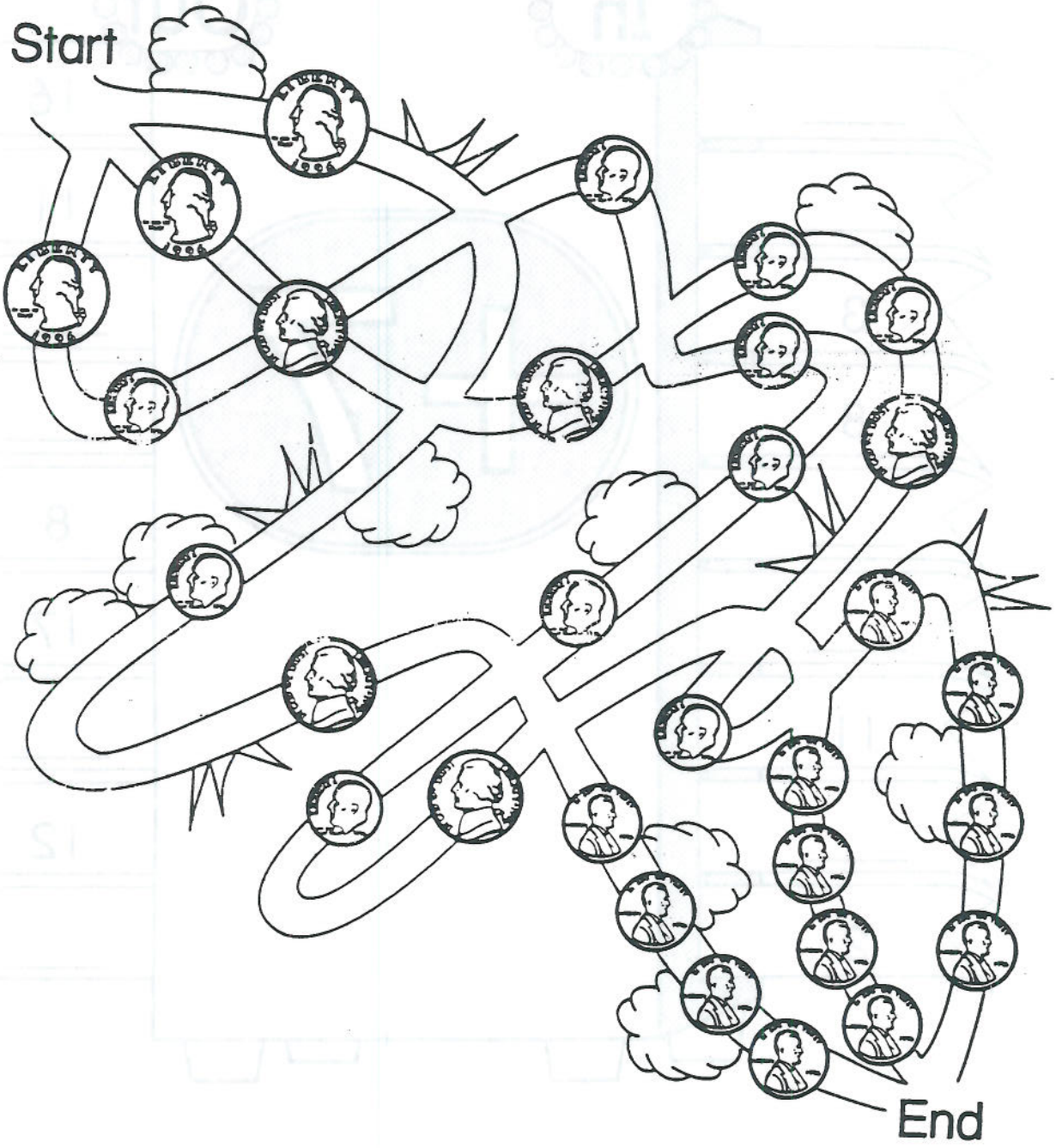
$$\begin{array}{r} 573 \\ -\ 573 \\ \hline \end{array} \qquad \begin{array}{r} 762 \\ -\ 267 \\ \hline \end{array} \qquad \begin{array}{r} 3{,}751 \\ -\ 0 \\ \hline \end{array} \qquad \begin{array}{r} 29 \\ -\ 29 \\ \hline \end{array} \qquad \begin{array}{r} 42{,}809 \\ -\ 42{,}809 \\ \hline \end{array}$$

$$\begin{array}{r} 6{,}555 \\ -\ 0 \\ \hline \end{array} \qquad \begin{array}{r} 1{,}345 \\ -\ 1{,}345 \\ \hline \end{array} \qquad \begin{array}{r} 481 \\ -\ 31 \\ \hline \end{array} \qquad \begin{array}{r} 27{,}594 \\ -\ 27{,}594 \\ \hline \end{array} \qquad \begin{array}{r} 46 \\ -\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 4{,}862 \\ -\ 1{,}062 \\ \hline \end{array} \qquad \begin{array}{r} 703{,}645 \\ -\ 0 \\ \hline \end{array} \qquad \begin{array}{r} 5{,}228 \\ -\ 5{,}228 \\ \hline \end{array} \qquad \begin{array}{r} 11 \\ -\ 11 \\ \hline \end{array} \qquad \begin{array}{r} 16{,}397 \\ -\ 0 \\ \hline \end{array}$$

Money Paths

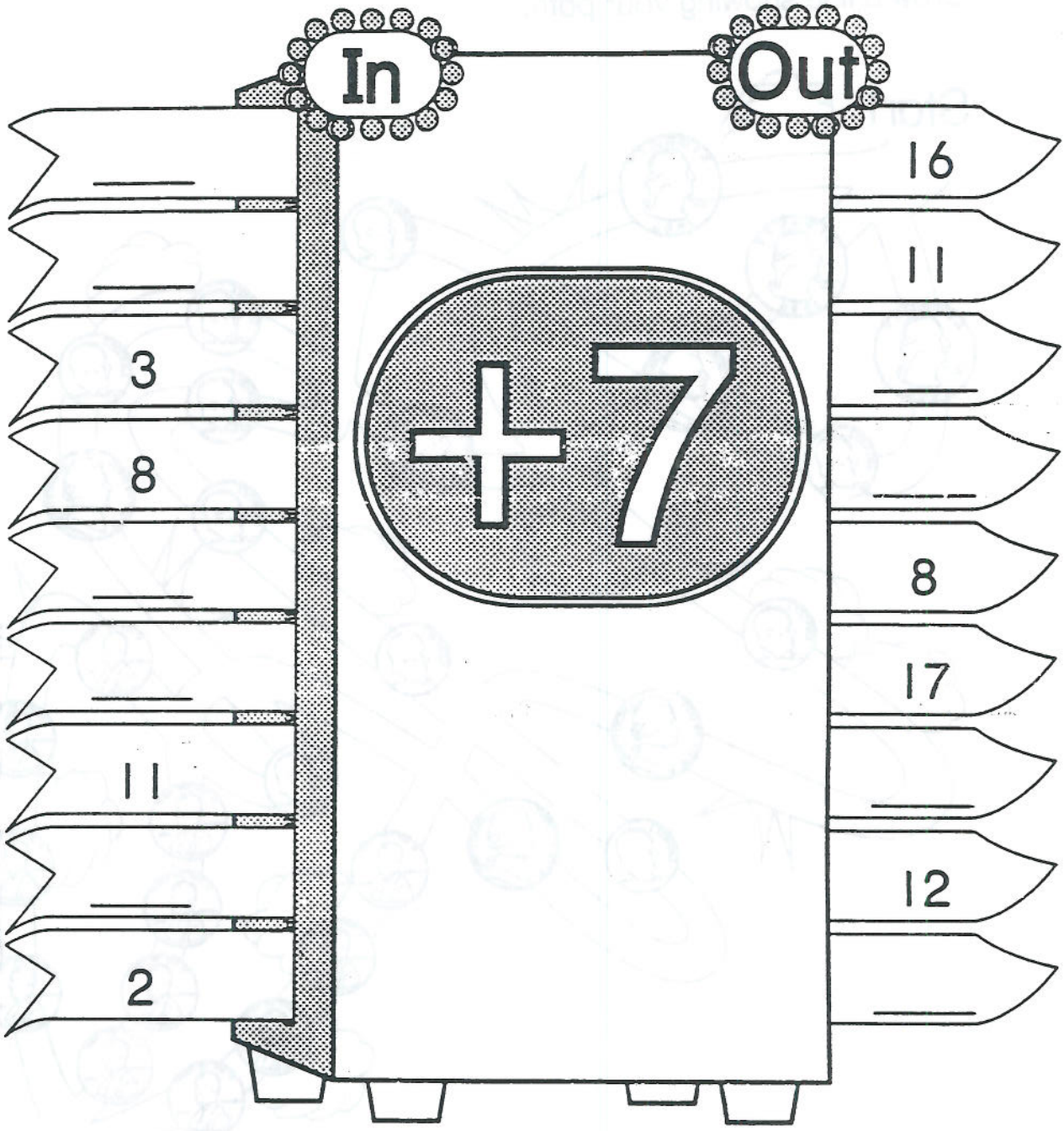
Many paths lead through the woods.
You need to find exactly 99¢.
Which path will you take?
Draw a line showing your path.



Patterns in Numbers

This is a function machine. It changes numbers by adding 7.

Fill in the missing numbers going in and coming out.



What's the Rule?

Find the rule. Write the missing numbers.

1. Add 200

100	300
300	500
400	600
600	
700	

2. Subtract _____

400	300
200	100
700	600
500	
800	

3. Add _____

10	50
40	80
20	60
30	
50	

4. _____

90	60
80	50
70	40
60	
50	

5. _____

900	600
800	500
700	400
600	
500	

6. _____

200	300
300	400
400	500
500	
600	

ADDITION PUZZLES

Add across and down to see how each puzzle works.

3	+5	=
3	+3	=
		=

Same sum

5	4	
2	3	

2	6	
4	4	

Note that if you added correctly the horizontal (across) and vertical (down) rows have the same sum!

Use that clue to find the missing numbers in the puzzles below.

	6	10
5		7
9	8	17

	5	
6		13
11	12	23

2		5
	2	
3		8

5		5
	4	
11		15

7	7	14
9	10	

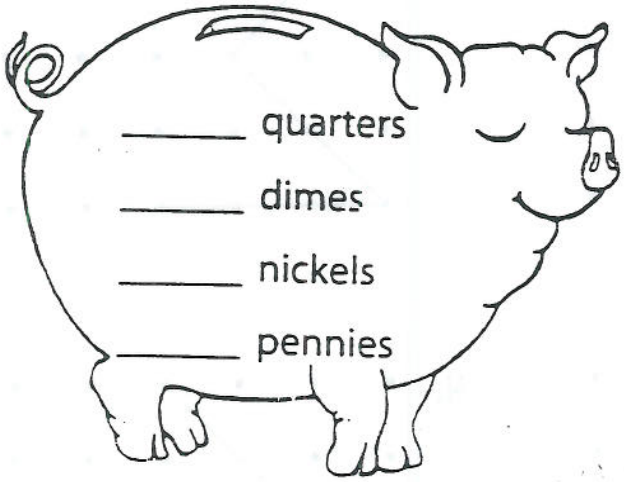
10		20
	30	
		60

Make three puzzles of your own. Check to see that they are correct!

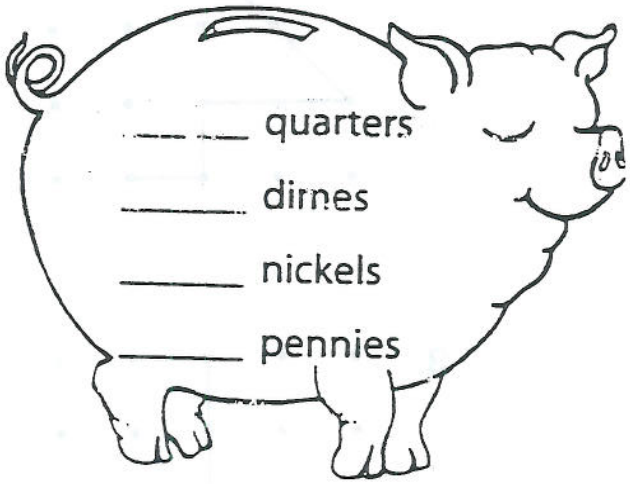
Money

Use coins to make a dollar in each bank.
Show the amount different ways.
Write the number of each coin you use.

1



2



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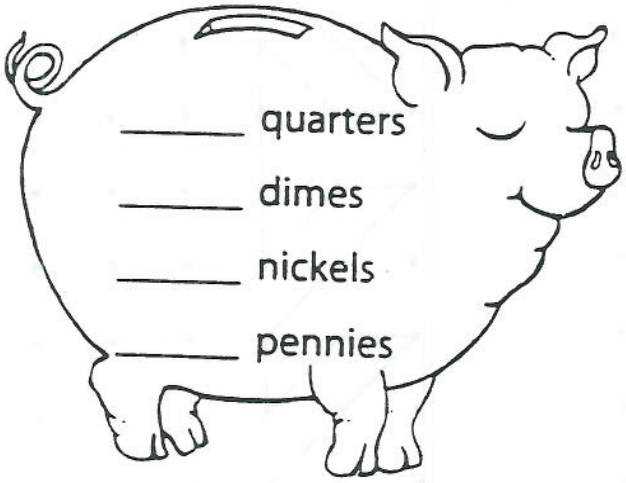

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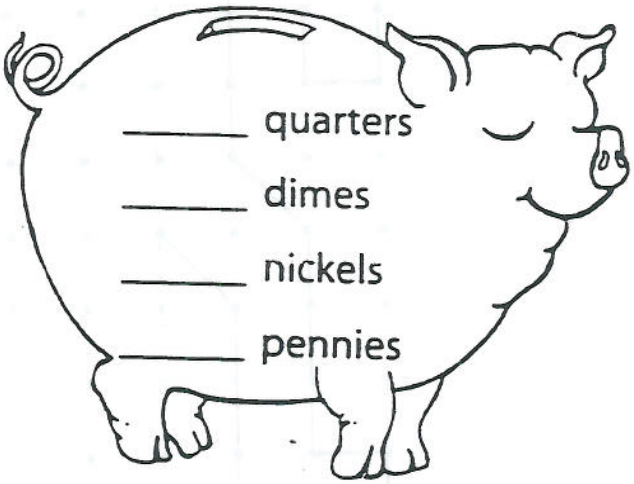
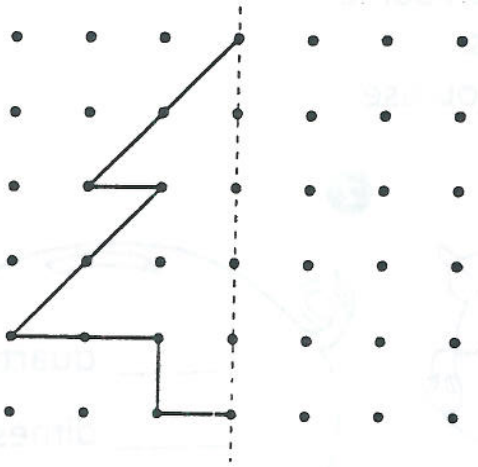


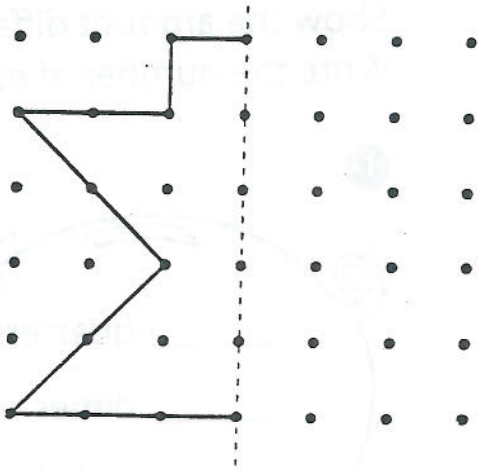
Symmetry

Make a shape with a line of symmetry.
Draw lines to complete the shape.

1.



2.



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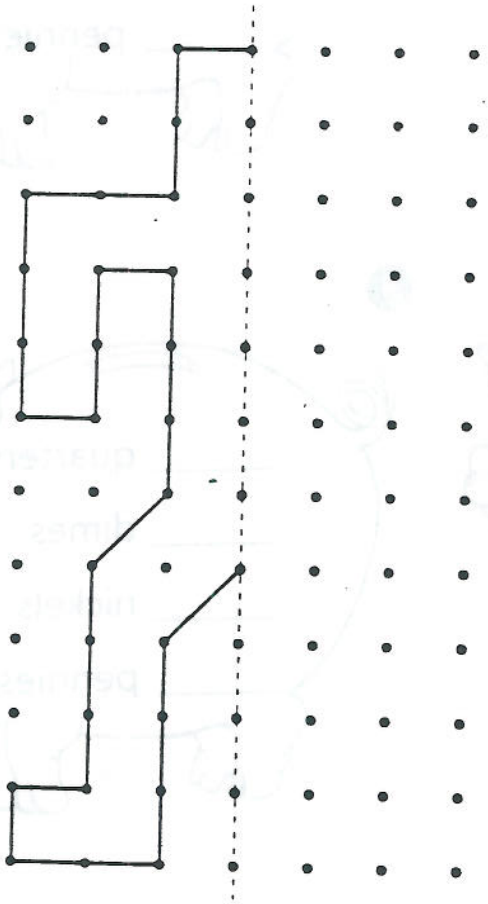

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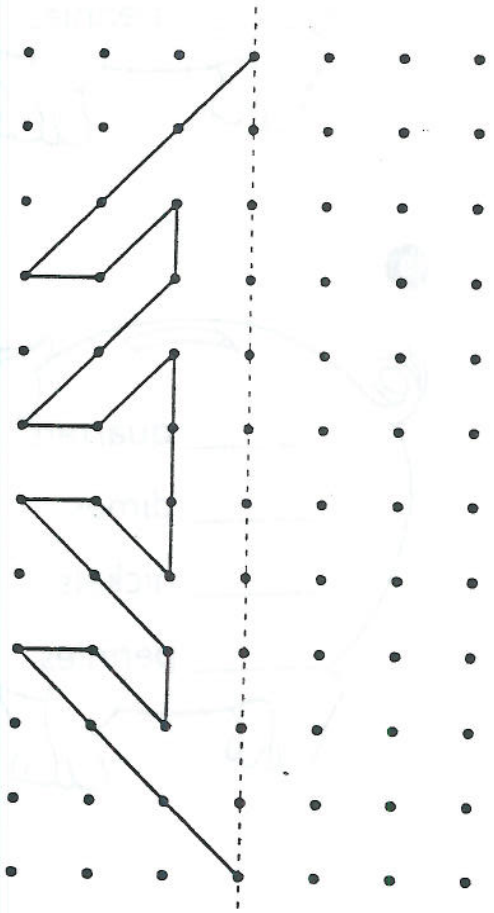
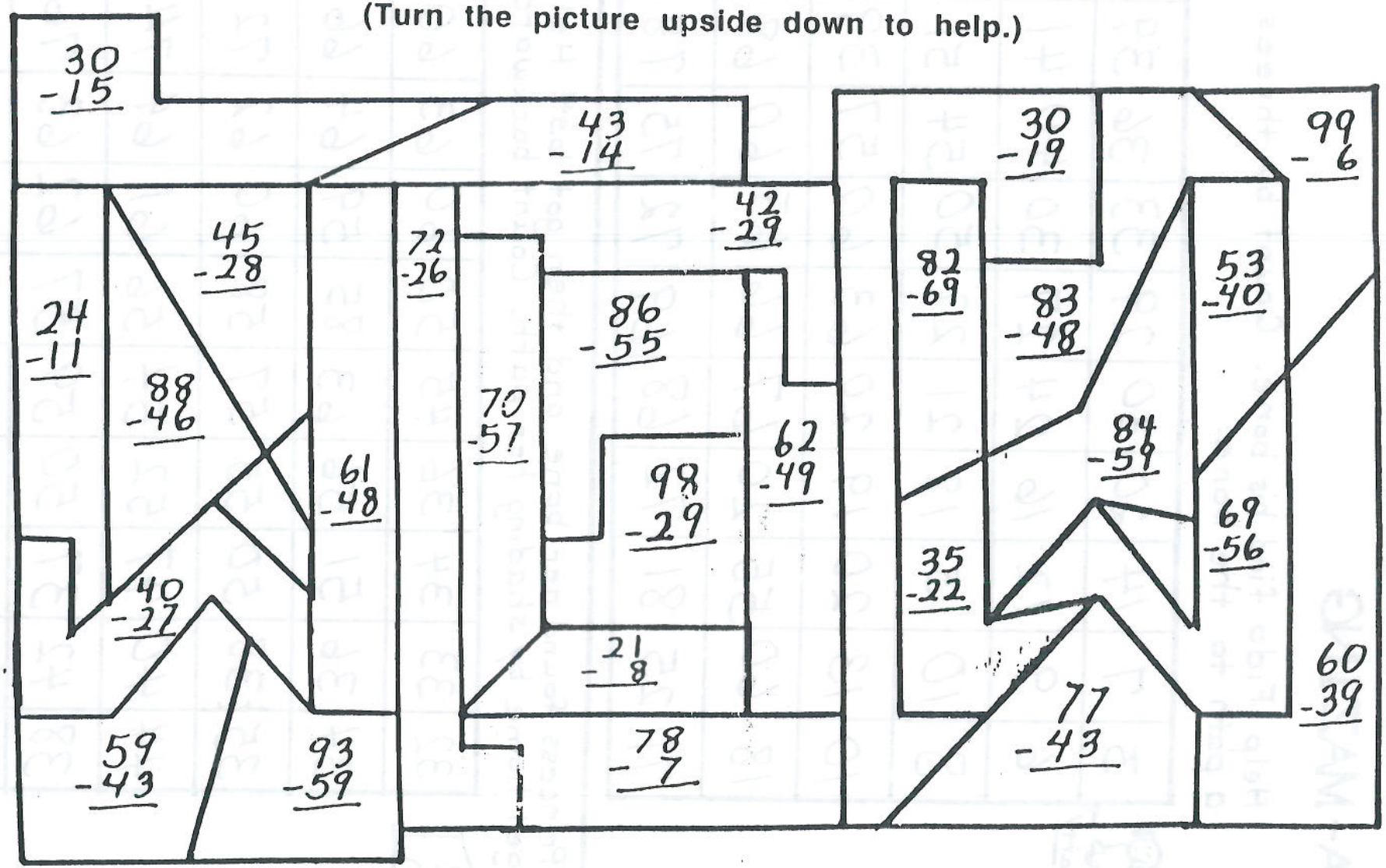


What's the Difference?

Color any shape red that has an answer of 13.
Find the hidden words.
(Turn the picture upside down to help.)



A-MAZING

Help Fido find his bone. Count by threes and shade a path to the bone.

3	7	14	20	30	29	33	36	39	42
6	9	12	16	24	27	30	40	41	45
8	10	15	18	21	22	50	54	51	48
10	13	20	19	20	63	60	57	39	50
18	60	55	20	67	66	65	60	68	71
71	25	81	72	68	69	72	75	78	81

Princess found her bone and then got lost! Help Princess get home by shading her path. Count backward by twos.

32	33	34	36	45	50	60	63	60	67
34	36	51	56	63	85	59	64	66	68
35	38	50	55	57	58	60	62	72	70
44	40	47	52	54	56	61	64	74	77
38	42	37	50	59	57	62	63	76	79
60	44	46	48	49	50	51	70	78	80

What's Missing?

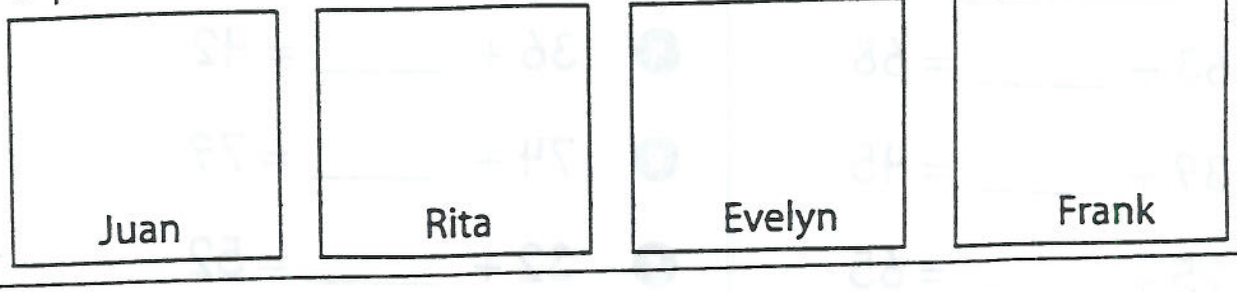
Write the missing part.

1. 23 + _____ = 25
2. 48 + _____ = 51
3. 63 + _____ = 68
4. 36 + _____ = 42
5. 39 + _____ = 45
6. 74 + _____ = 79
7. 25 + _____ = 65
8. 32 + _____ = 52
9. 64 + _____ = 94
10. 50 + _____ = 62
11. 40 + _____ = 56
12. 42 + _____ = 65
13. 53 + _____ = 79
14. 82 + _____ = 95
15. 45 + _____ = 71
16. 68 + _____ = 87
17. 59 + _____ = 82
18. 49 + _____ = 65
19. 48 + _____ = 53
20. 28 + _____ = 56
21. 65 − _____ = 60
22. 72 − _____ = 62
23. 47 − _____ = 34
24. 52 − _____ = 48
25. 63 − _____ = 56
26. 67 − _____ = 52

Equal Shares

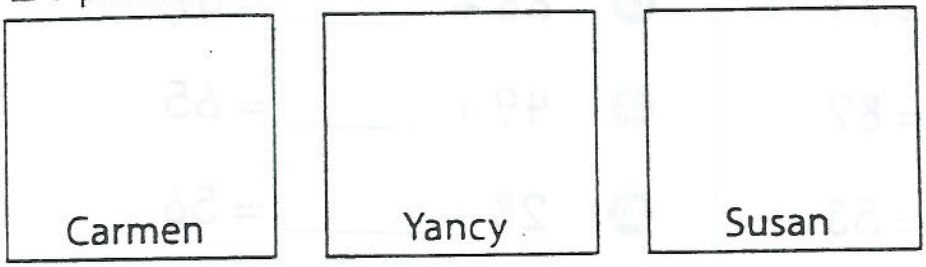
Materials: 21 pennies or counters
Share pennies.
Draw the pennies each person gets.

1. 8 pennies



2. 15 pennies

3. 21 pennies

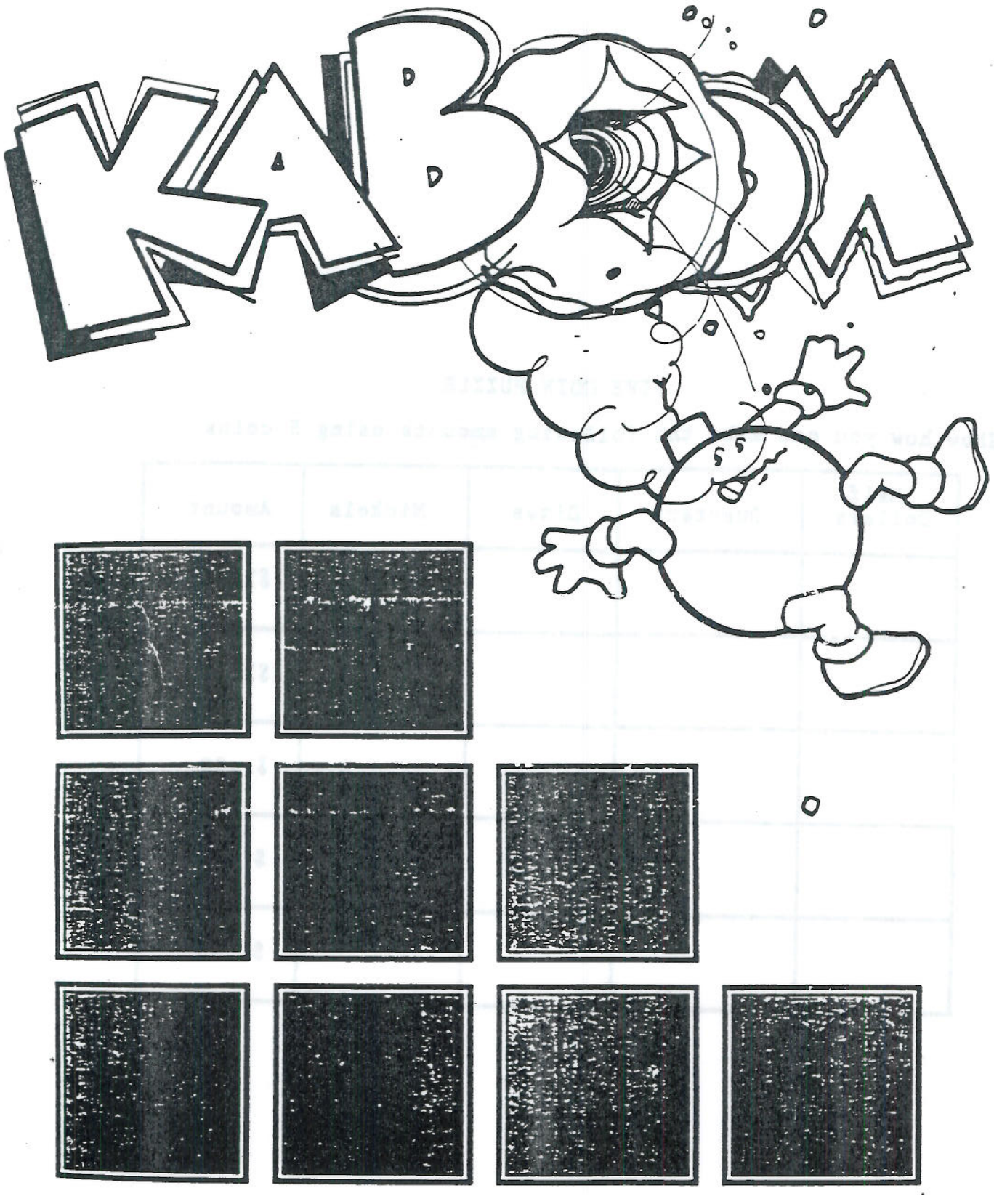


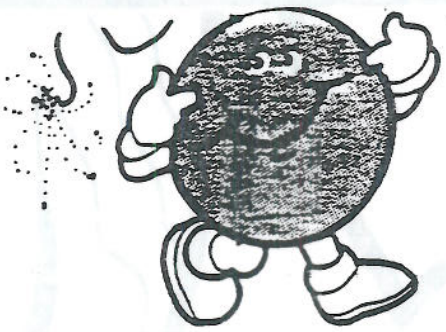
4. 10 pennies

FIVE COIN PUZZLE

Show how you can make the following amounts using 5 coins.

Half Dollars	Quarters	Dimes	Nickels	Amount
				$1.10
				$1.15
				$ .80
				$ .95
				$1.60


KABOOM



KABOOM!

Skills
Strategy

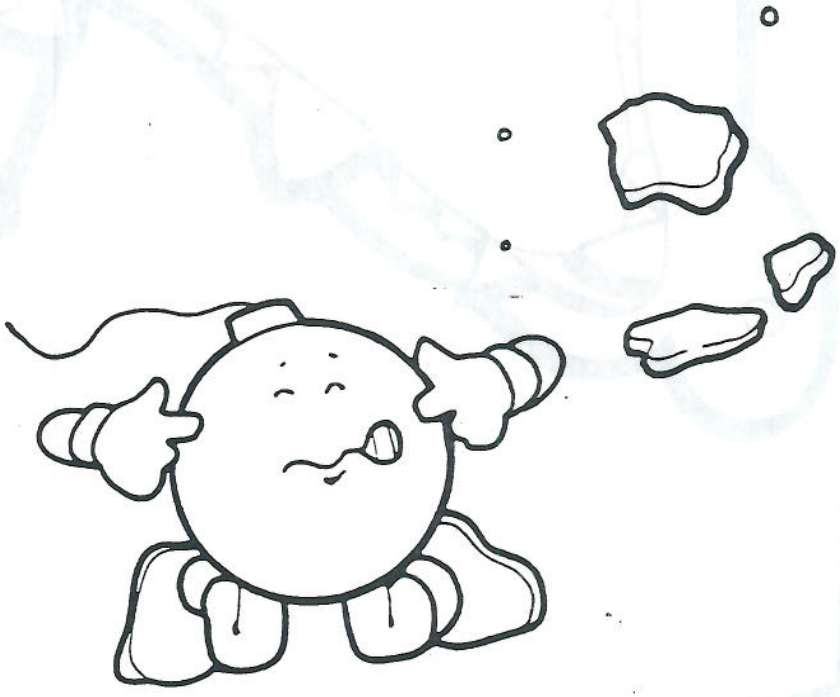
Materials Needed
- *Kaboom!* gameboard
- 9 markers (beans, coins, plastic chips)
- Scrap paper and pencil

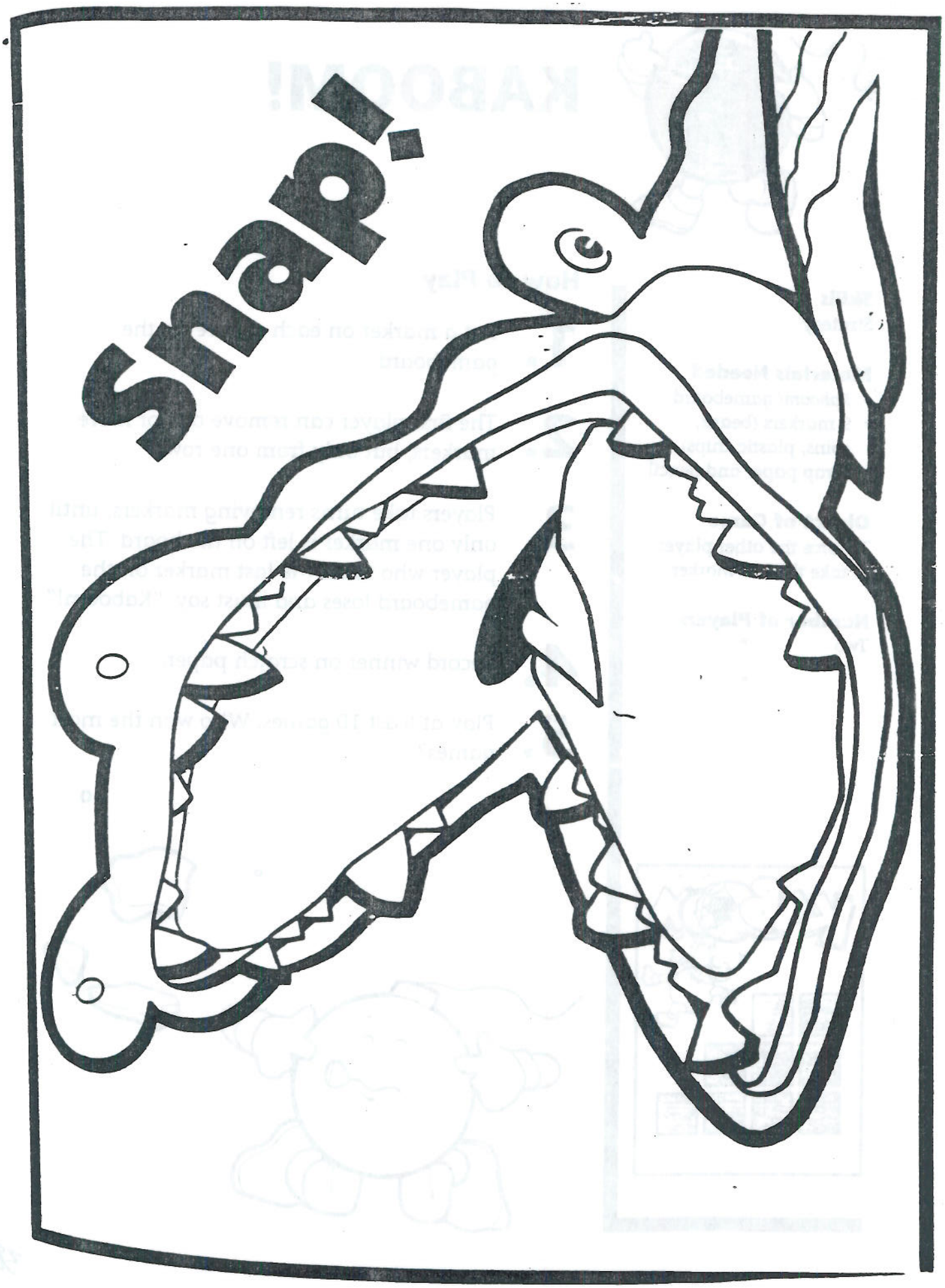
Object of Game
To force the other player to take the last marker

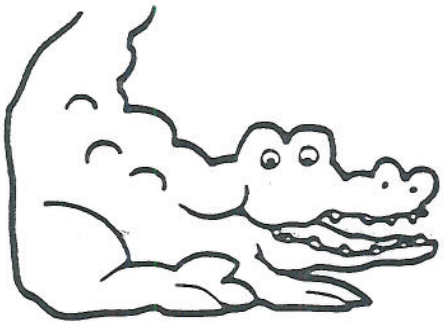
Number of Players
Two

How to Play

1. Put a marker on each square on the gameboard.
2. The first player can remove one or more markers, but only from one row.
3. Players take turns removing markers, until only one marker is left on the board. The player who takes the last marker on the gameboard loses and must say, "Kaboom!"
4. Record winner on scratch paper.
5. Play at least 10 games. Who won the most games?




Snap!



SNAP

Skills
Strategy

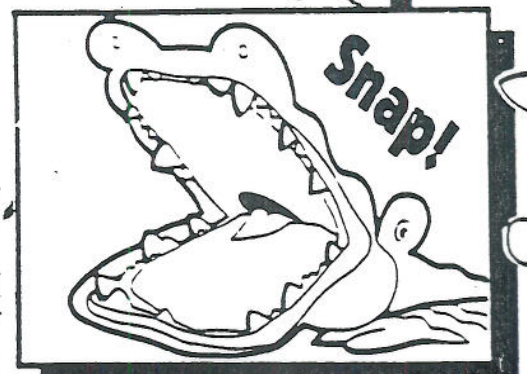
Materials Needed
- *Snap* gameboard
- 21 markers (beans, small macaroni shells)

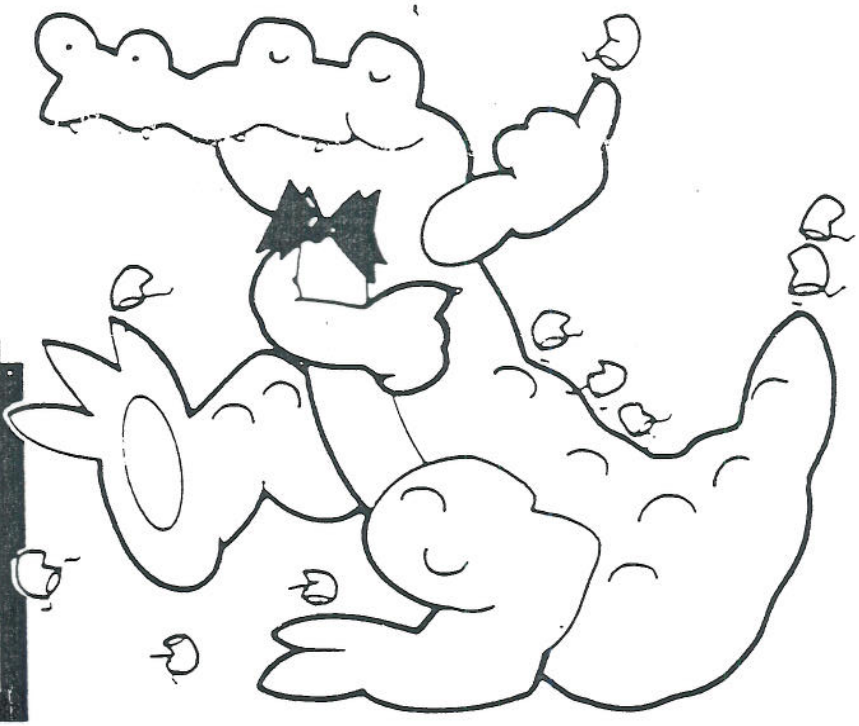
Object of Game
To force the other player to remove the last marker

Number of Players
Two

How to Play

1. Place all 21 markers inside the alligator's mouth.
2. Each player takes turns removing one or two beans from the mouth.
3. The person who forces the other player to remove the last bean is the winner.





Super Snap Variation
Using 50 markers, each player removes one to six at a time.