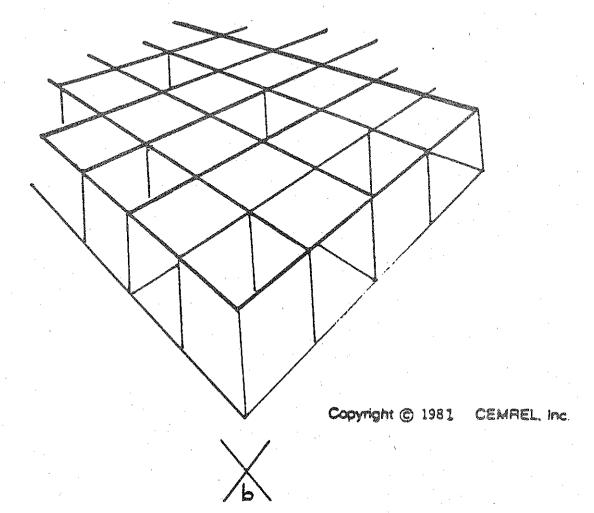
# Unusual Problems

Name



	Sally	Amy	Carl	Andy	Don	Kay
Bears			/			
Apes		V		V	V	V
Lions	V					
Tigers		V		·	<i>'\</i>	

students: Give all the	COLLECT WITHOUT		
who saw the bears?			
lho saw both the apes an	nd the tigers?		
Who did <u>not</u> see the tig	ers?		
Who did <u>not</u> see the lio	ons <u>and</u> did <u>not</u> see the	apes?	
Who saw the bears, the	lions and the tigers?_		
Who saw the <u>most</u> kinds	of animals?		

## PRACTICE

- 39 + 38 0 10 50 1000
  - 19 + 18 0 10 × 50 100 500 1000
- 491 + 23 0 10 50 100 500 × 1000

1	$\Box$	D	9			ON	
-	100	Comm.	۰	,	40	4	

9 + 19	0	10	50	100	500	1000
270 + 270	<b>0</b>	10	\$0	100	500	1000
19 + 29	0	10	50	100	500	1000
51 + 53	0	10	50	100	500	1000
29 + 29	0	10	50	100	500	1000
279 + 165	0	10	50	100	500	1000
19 + 19 + 19	0	10	50	100	500	1000
9 - 2	0	10	<b>\$</b> 0	100	500	1000

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### SUBTRACTION

90-12	0	10	50	100	500	1000
						· · · · · · · · · · · · · · · · · · ·
559 - 558	0	10	\$0	100	500	1000
105 - 8	0	10	<b>5</b> 0	100	500	1000
900 - 601	0	10	50	100	500	1000
100 07		10	<b>5</b> 0	100	500	1000
100 – 93	0	\$ \d	<b>2</b>			
137 - 125	0	10	<b>\$</b> 0	100	500	1000
		•				
827 – 231	0	10	50	100	500	1000
• •						
990-110	0	10	50	100	500	1000
						THE DACE VET

### MULTIPLICATION

4 x 23	0	10	50	100	500	1000
2 x 209	0	10	50	100	500	1000
2 x 19	0	10	50	100	<b>5</b> 00	1000
5 x 11	0	10	50	100	<b>5</b> 00	1000
3 x 211	0	10	50	100	500	1000
1/2 x 15	0	10	<b>5</b> 0	100	<b>5</b> 00	1000

### DIVISION

300 divided by $4$	7	10	20	100
		, v		
190 divided by 10	1	. <b>10</b>	20	100
980 divided by 100	1	10	20	100
45 divided by 2	1	10	20	100
13 divided by 2	. 1 .	10	20	100
	 			·.
53 divided by 5	-1	10	20	100

1 2 3 4 5 6 7 8 9 10 11

What color will the 90th square be? black white

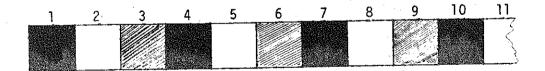
1.

2.

What color will the 91st square be? black white

What color will the 92nd square be? black white

About how many of the first 100 squares will be white?



What color will the 90th square be? black white gray
What color will the 91st square be? black white gray
What color will the 92nd square be? black white gray

About how many of the first 100 squares will be white?

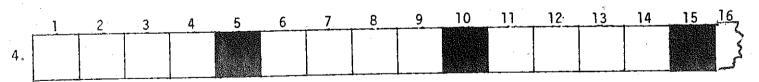
1 2 3 4 5 6 7 8 9 10 11

What color will the 90th square be? black white

What color will the 91st square be? black white

What color will the 92nd square be? black white

About how many of the first 100 squares will be white?



What color will the 90th square be? black white

What color will the 91st square be? black white

What color will the 92nd square be? black white

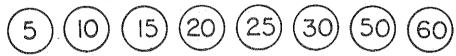
About how many of the first 100 squares will be white?

Someone cut out a piece from this last pattern. The piece had 2 black squares. How many white squares could it have?

(Give all possible answers)

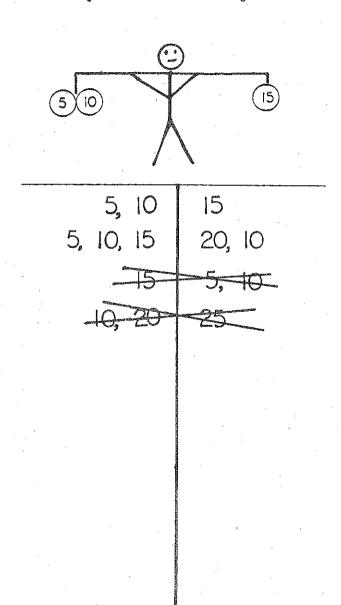
#### RULES

1. These are the weights Al has.



- 2. Al cannot lift more than 100 pounds altogether.
- 3. The two ends must balance.

Show all the ways he could lift weights.



### TOM'S GAME

	Class said:	Tom's answer:
First clue:	4	8
Second clue:	3	7
Third clue:	5	9
Question:	1	

	SUSAN'S	GAME		JOHN'S	GAME
·	Class said:	Susan's answer:		Class said:	John's answer:
First clue:	3	1	First clue:	. 3	12
Second clue:	11	9	Second clue:	<b>, 5</b> ,	20
Third clue:	10	8	Third clue:	10	40 .
Question:	15		Question:	4	

#### JIM'S GAME

Class Jim's said: answer:

First clue: 2 6

Second clue: 5 9

Third clue: 10 14

Question: 12

#### TINA'S GAME

Class Tina's said: answer:

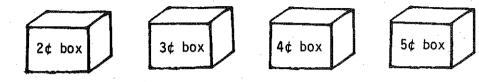
First clue: 10 5

Second clue: 4 2

Third clue: 8 4

Question: 3

1.	These	are	the
1.	boxes	of o	:andy:



These are the girls: Maria, Carol, Helen, Jane

#### These are the facts:

Each girl chooses a box and buys every candy in the box.

Each girl chooses a different box than the other girls.

Maria chooses the 4¢ box. She could spend 4¢ or 8¢ or 12¢ or 16¢, and so on.

Then Jane spends exactly 9¢. Which box did Jane buy?

Then Carol spends exactly 15¢. Which box did Carol buy?

Which box did Helen buy?

•	These are the boxes: 2¢ box 3¢ box 5¢ box	6¢ box
	Andy chooses a different box than Bill.	
	No matter how many candies are in their boxes:	
	Andy couldn't spend exactly 35¢.	
	Bill couldn't spend exactly 50¢.	
٠	Both Andy and Bill couldn't spend exactly 12¢.	•
	Which box did Andy choose?	
	Which box did Bill choose?	
2	This time there are	<i>:</i>
٥.	This time there are many, many boxes.	
	Ed is choosing a box.	·
	He chooses a box and looks inside.	
	It has more than 1 candy and he has to spend exactly 18	3¢.
	Which box did he choose?	

2.

$$3 \times 125 = \Box$$

$$-200 = 25$$

divided by 
$$2 = 120$$