

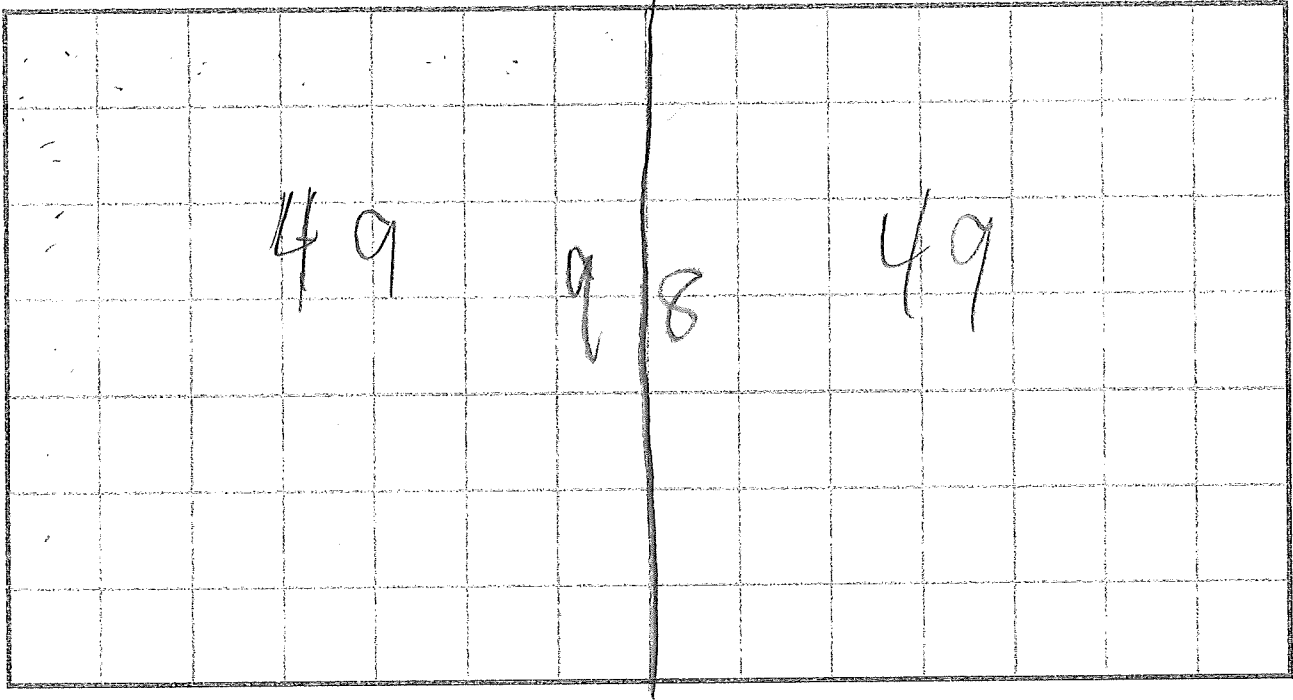


NAME

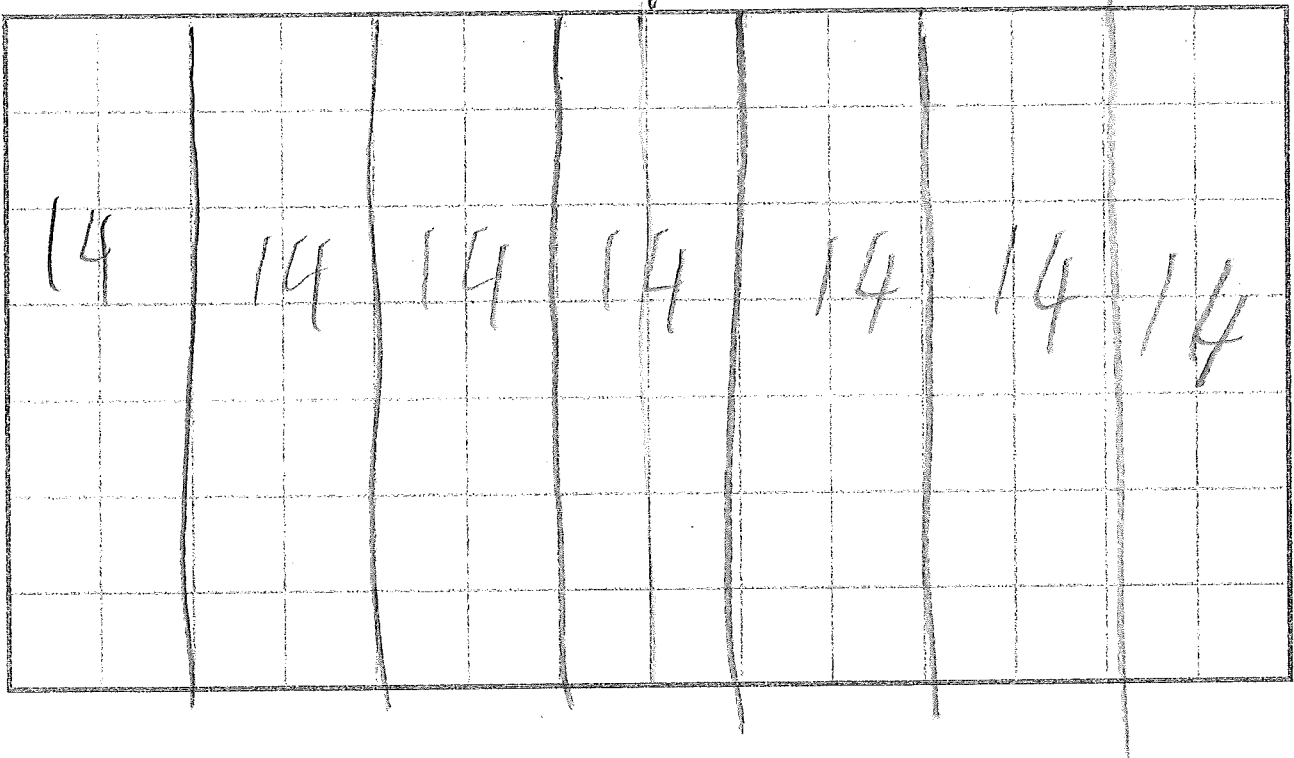
5-25-19

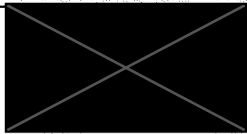
DATE

7×14 Arrays



98





NAME

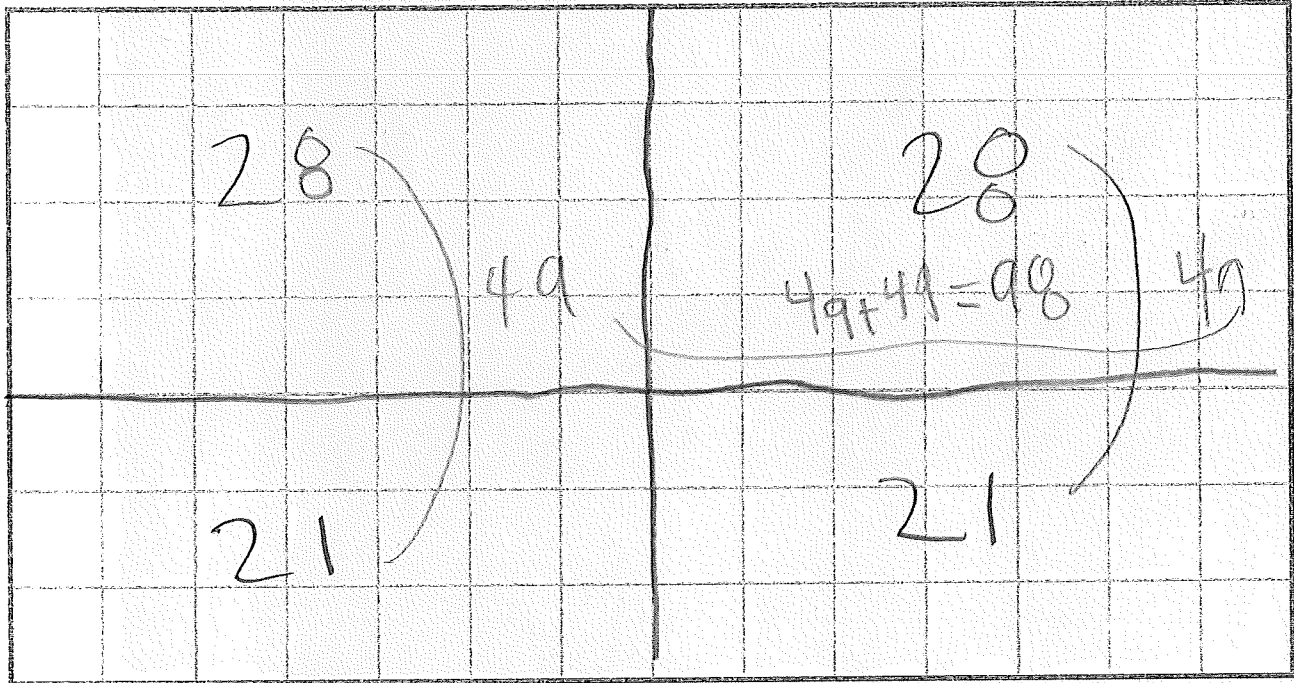
5/23/9

DATE

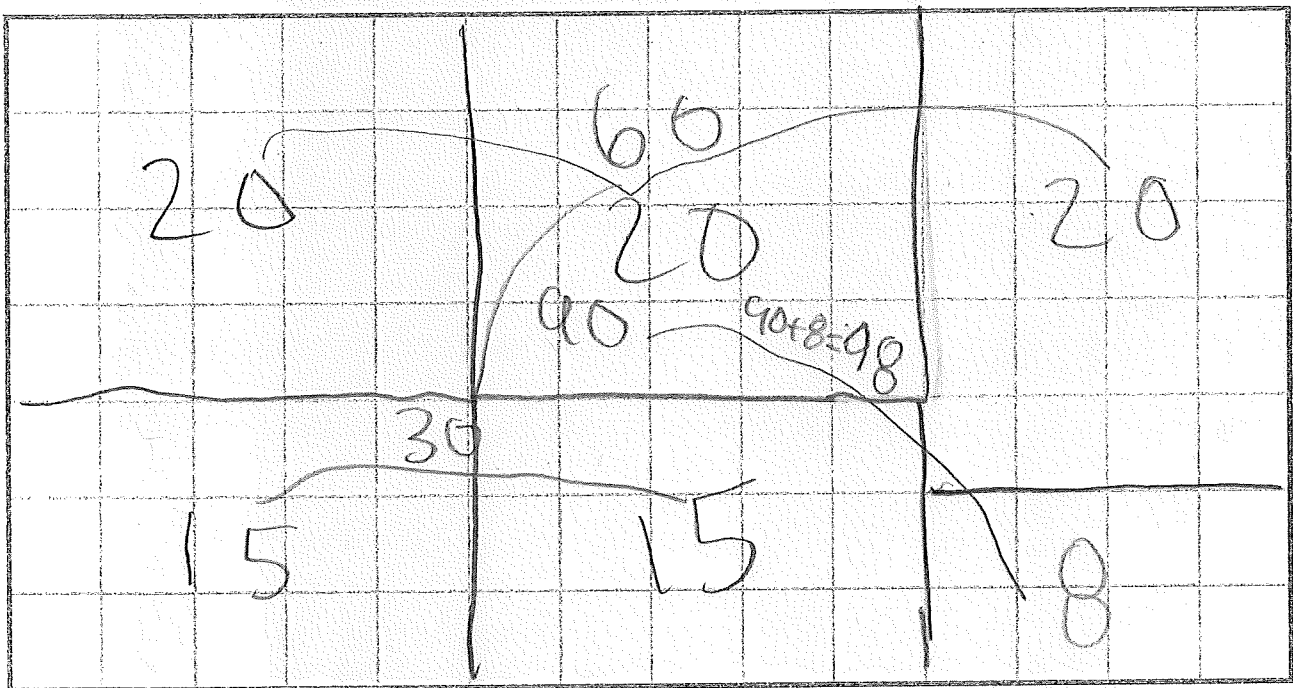


TEACHING AIDS

7 × 14 Arrays



$$A = 98$$



$$A = 98$$

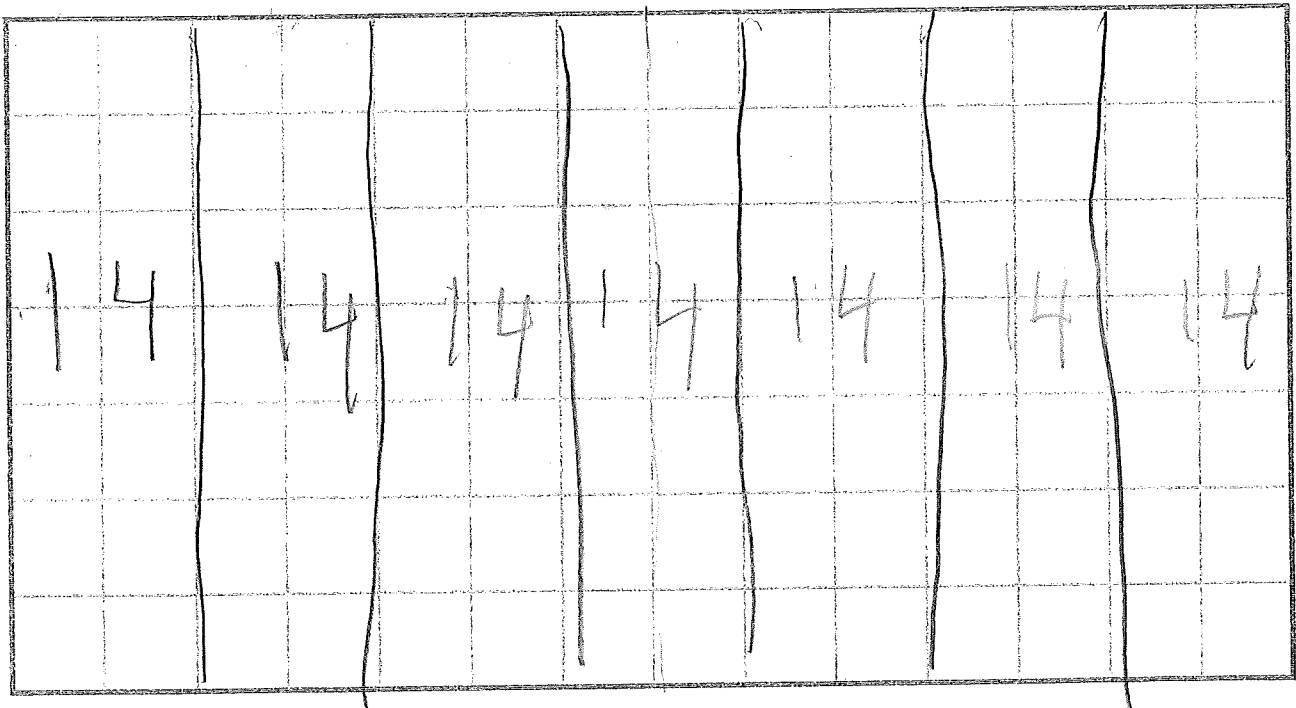
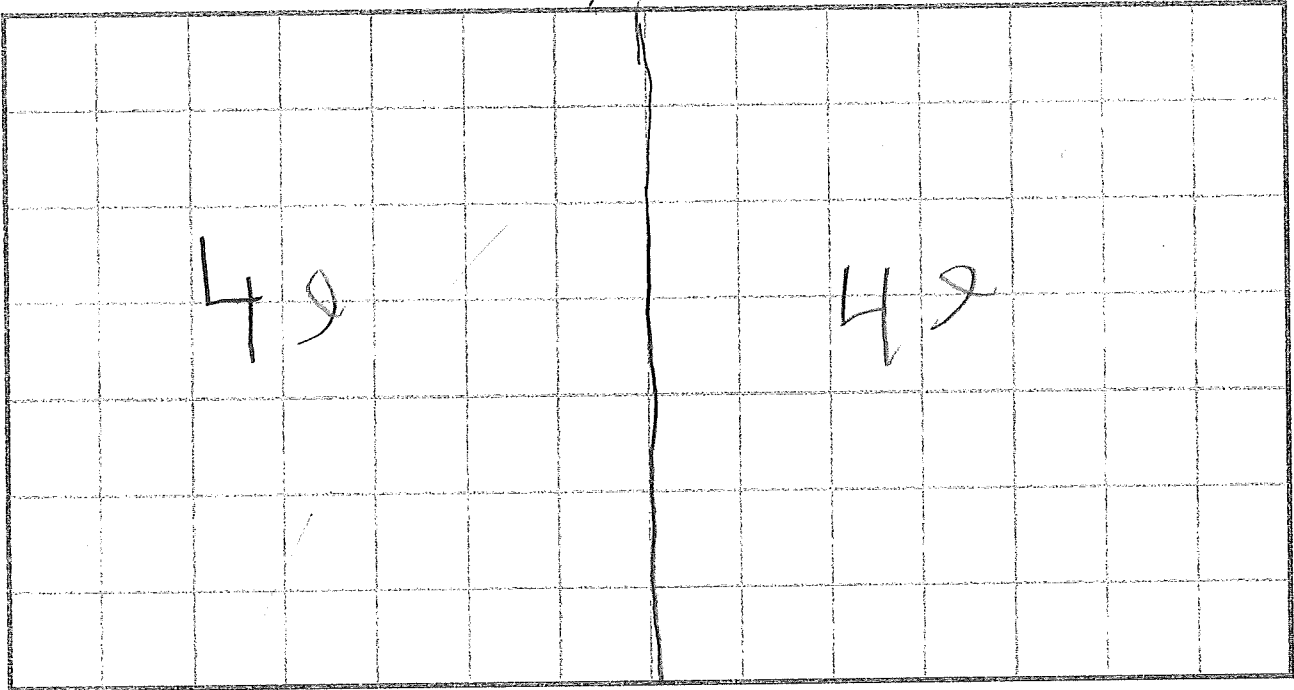


NAME

DATE

7×14 Arrays

98





NAME

5-23-19

DATE

7 × 14 Arrays

1	2	3	4	5	6	7
14	14	14	14	14	14	14
14	28	42	56	70	82	98

7	14	21	28	35	42	49	56	63	70	77	84	91	98
---	----	----	----	----	----	----	----	----	----	----	----	----	----



NAME

5-23-19

DATE

7 × 14 Arrays

98

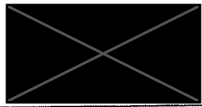
$$49 + 49 = 98$$

$$28 + 28 = 56$$

28

$$56 + 42 = 98$$

$$21 + 21 = 42$$



NAME

5-23-14

DATE

7×14 Arrays

1	2	3	4	5	6	7	8	9	10	11	12	13	14
2													
3													
4													
5													
6													
7													

A vertical arrow on the right side of the grid points down from the top row to the bottom row, with the number 98 written next to it.

$7 \times 10 = 70 + 28 = 98$													
$7 \times 4 = 28$													
98													

The number 98 is circled in the bottom row of the grid.



DATE _____

7 × 14 Arrays

14 7x4=98

1	2	3	4	5	6	7	8	9	10	11	12	13	14
2													
3					98								
4													
5													
6													
7													

Handwritten notes on the right side of the grid:

- A vertical line is drawn between columns 10 and 11.
- A vertical line is drawn between columns 13 and 14.
- A horizontal line is drawn across the bottom of the grid, between rows 6 and 7.
- At the bottom right, there is a scribble of lines and the number "98" written vertically.

- - - - -	$7 \times 7 = 49$
$7 \times 7 = 49$ 49	49

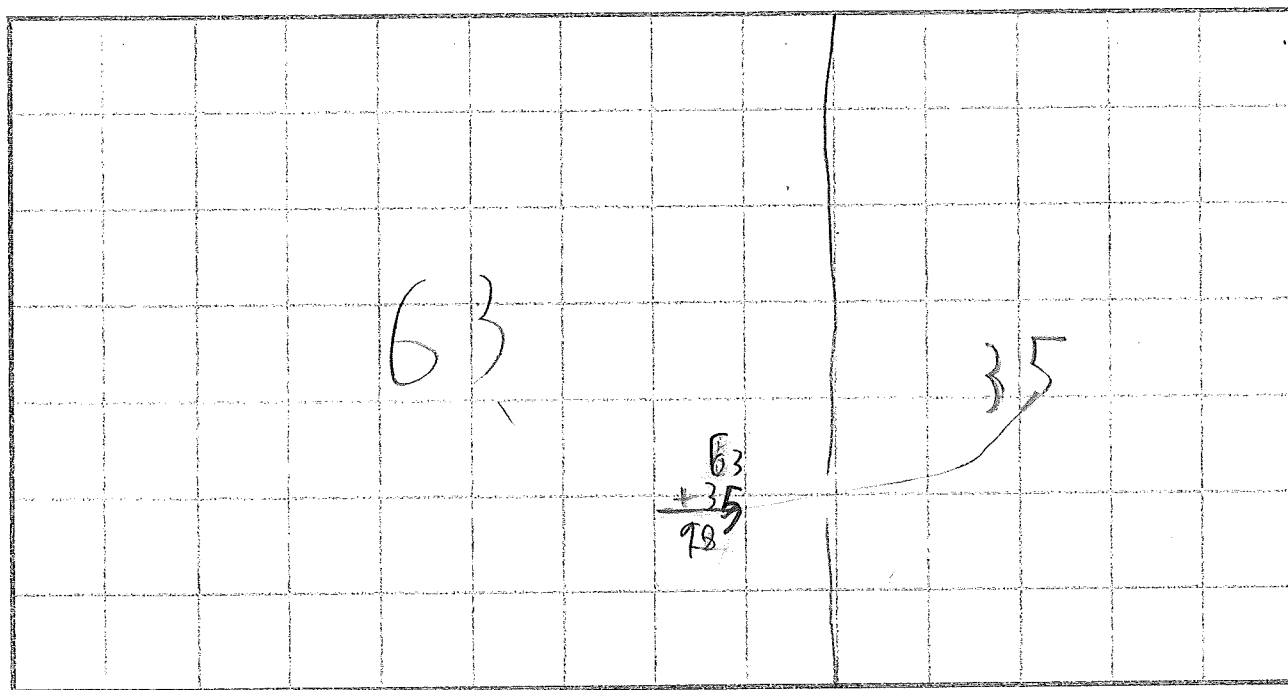
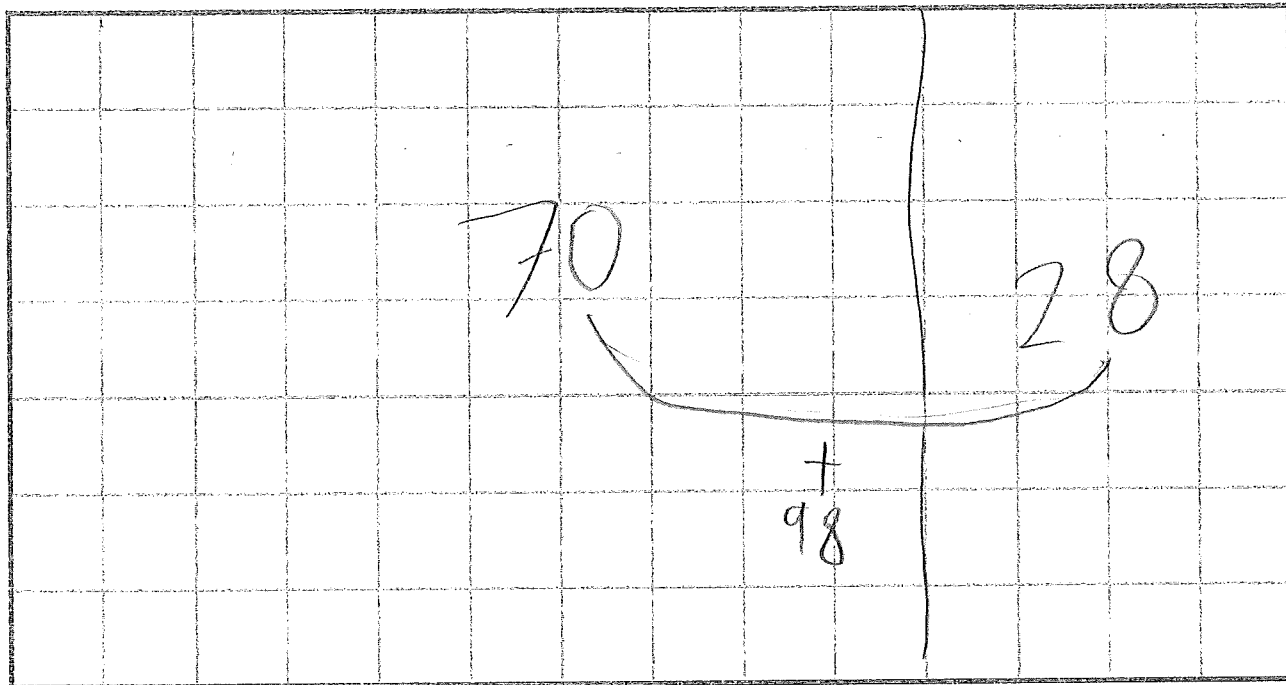


NAME

5/23/19

DATE

7×14 Arrays





NAME

5/23/19

DATE

7 × 14 Arrays

0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	9	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	8	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

49

98

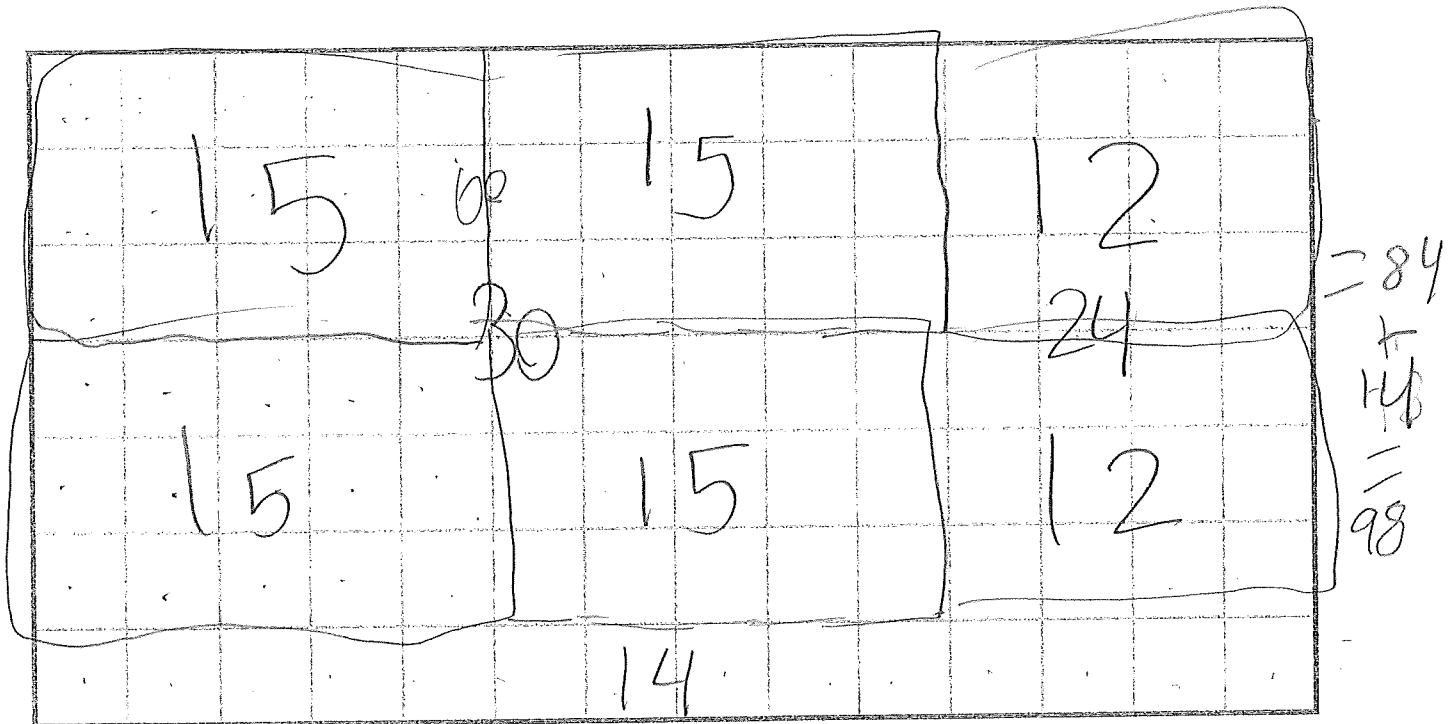
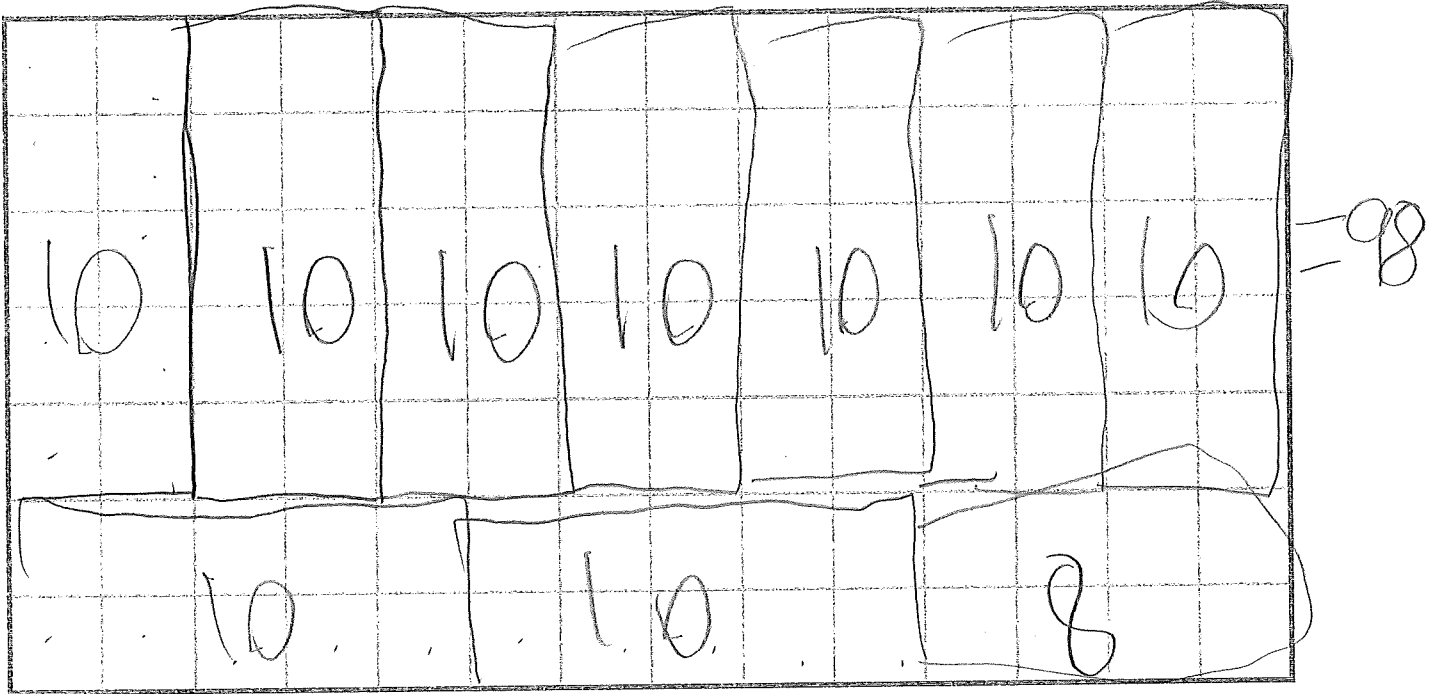
21

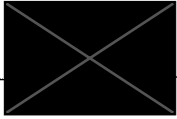


NAME

DATE

7×14 Arrays



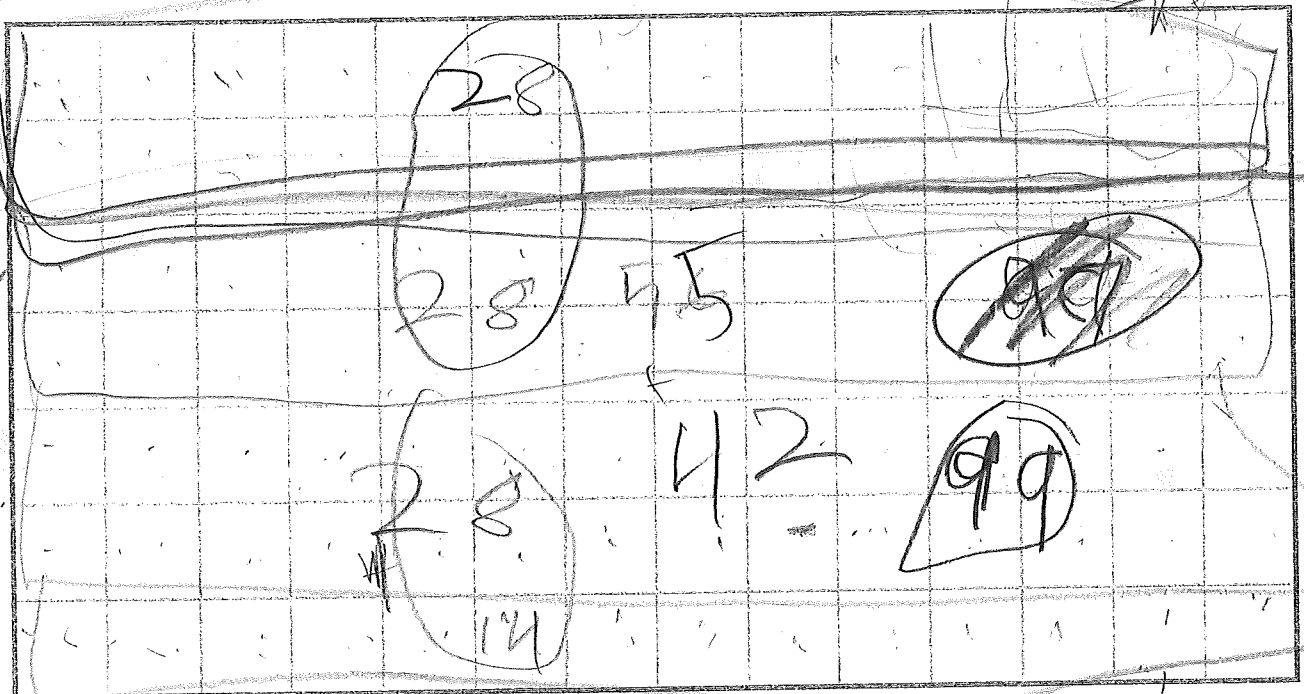
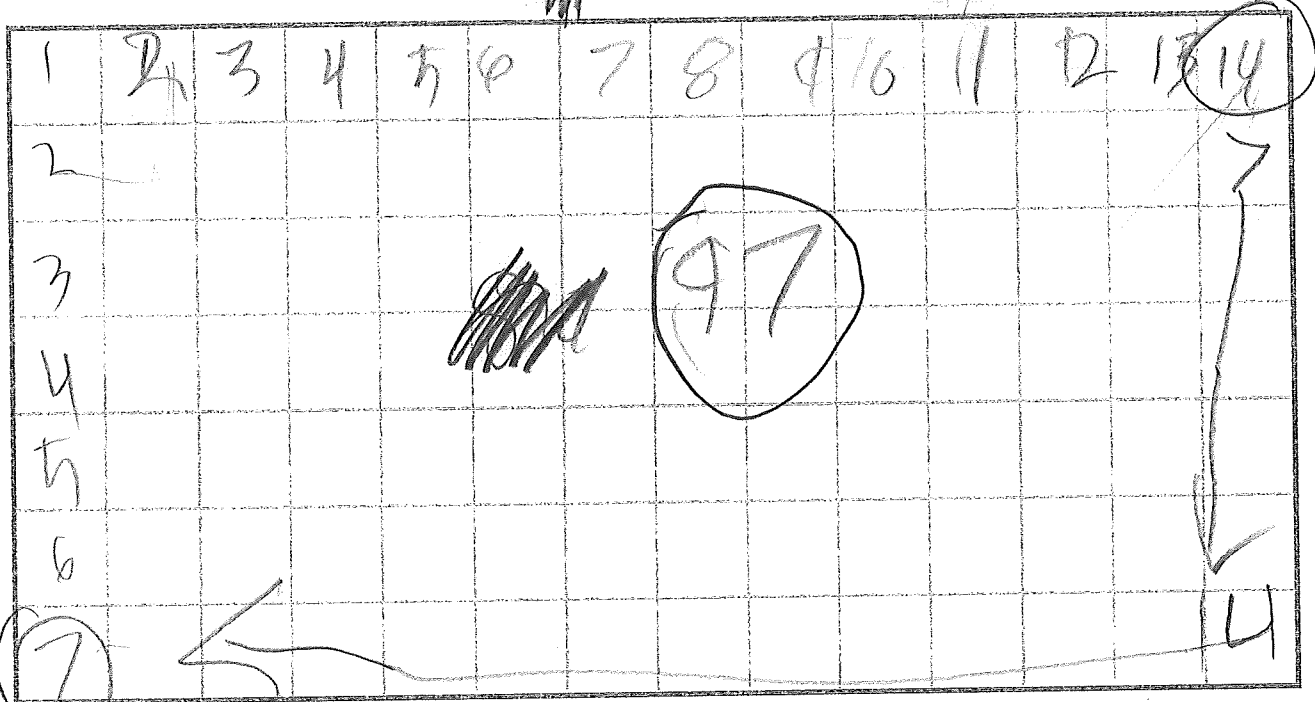


NAME

5/23/14

DATE

7 × 14 Arrays





5/23/19

DATE

7 × 14 Arrays

$$98 = 7 \times 14$$

$$\begin{array}{r} 24 \\ 74 \\ \hline 98 \end{array}$$

10	10	8
10	10	8
10	10	8
	14	8

$$\begin{array}{r} 28 \\ 70 \\ \hline 98 \end{array}$$

look on the
other side →

11	9
11	
11	
11	
11	9
11	
11	3

$$10 + 10 + 10 + 10 + 10 = 50$$

$$98$$

$$10 + 10 = 20 \quad 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

T64

$$\begin{array}{r} 28 \\ 70 \\ \hline 98 \end{array}$$



NAME

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DATE

7 × 14 Arrays

8 2 3 2 22

5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	2	2	2	2	2	2	2	2	2	2	2	2	2

= 98

10	10	10	10	10	10	10
10			10			8

= 98

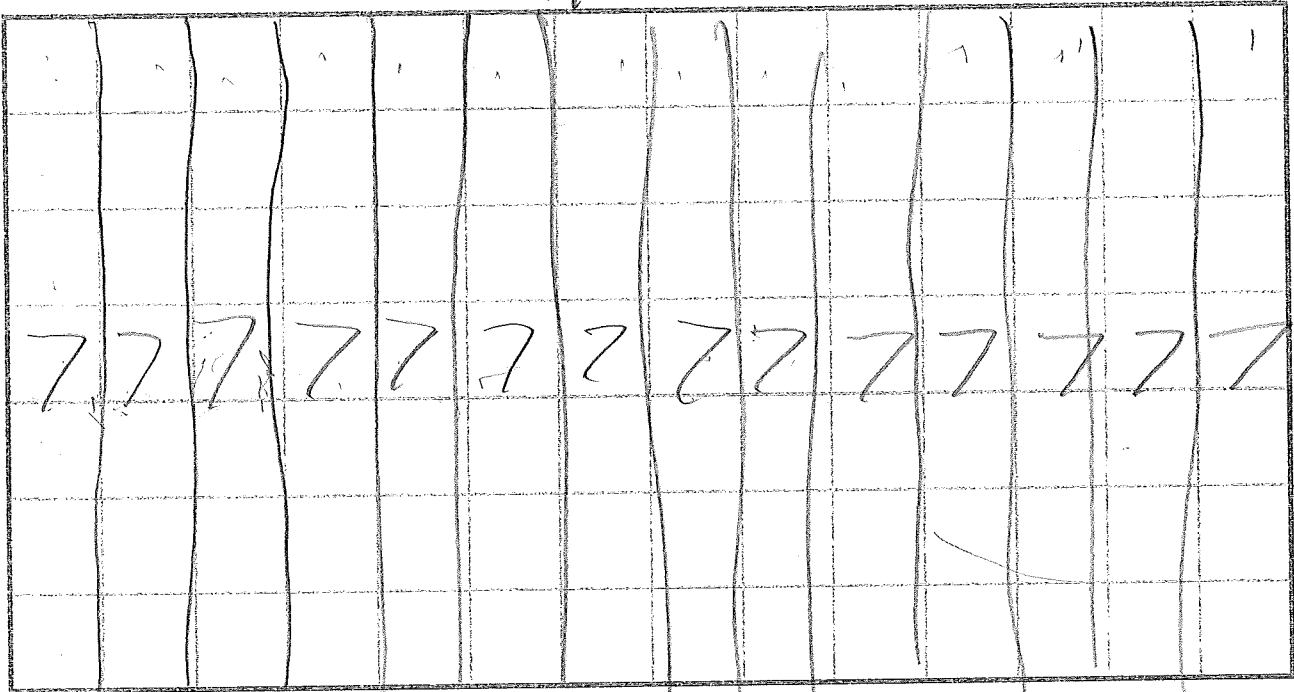


NAME

DATE

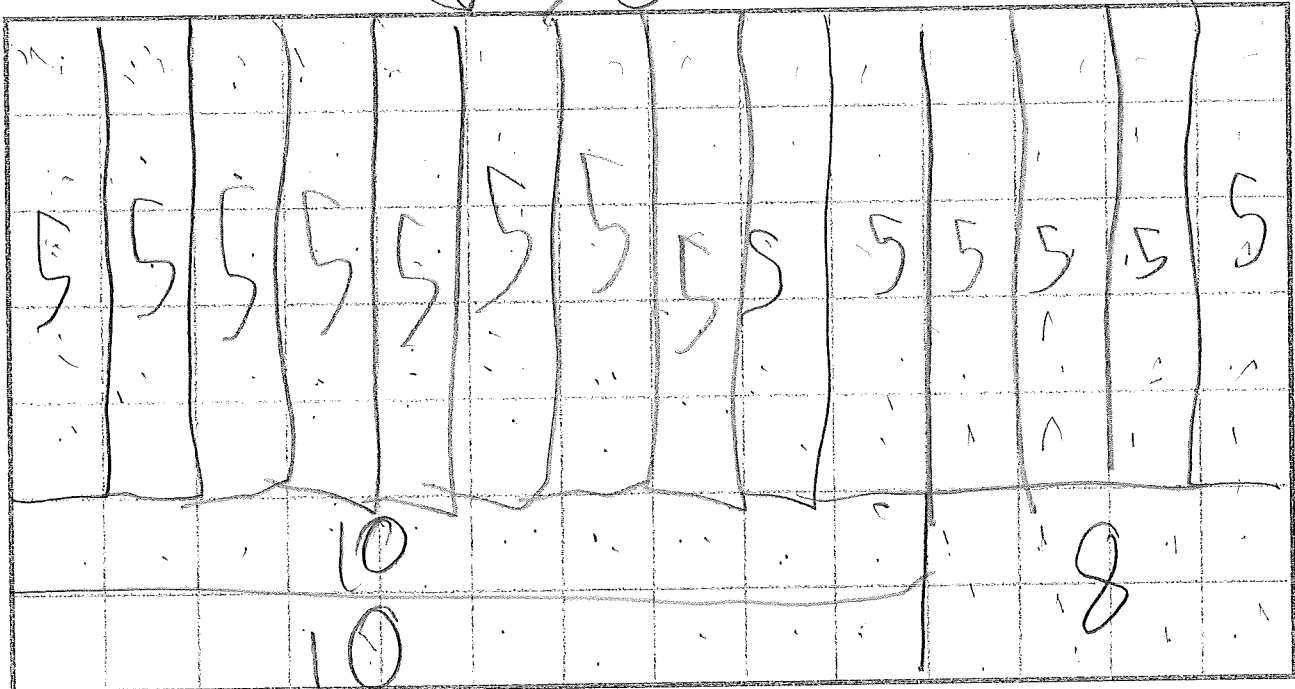
7 × 14 Arrays = 108
14

7



The fives equal 70

The answer is 108





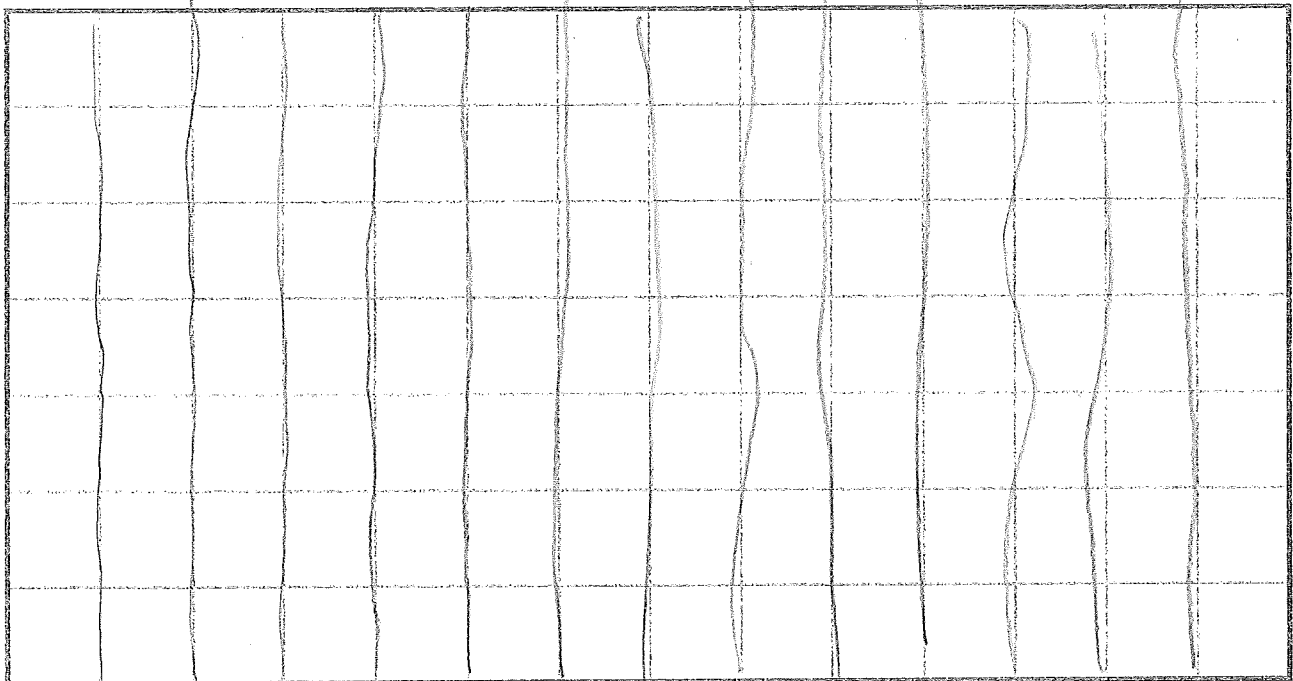
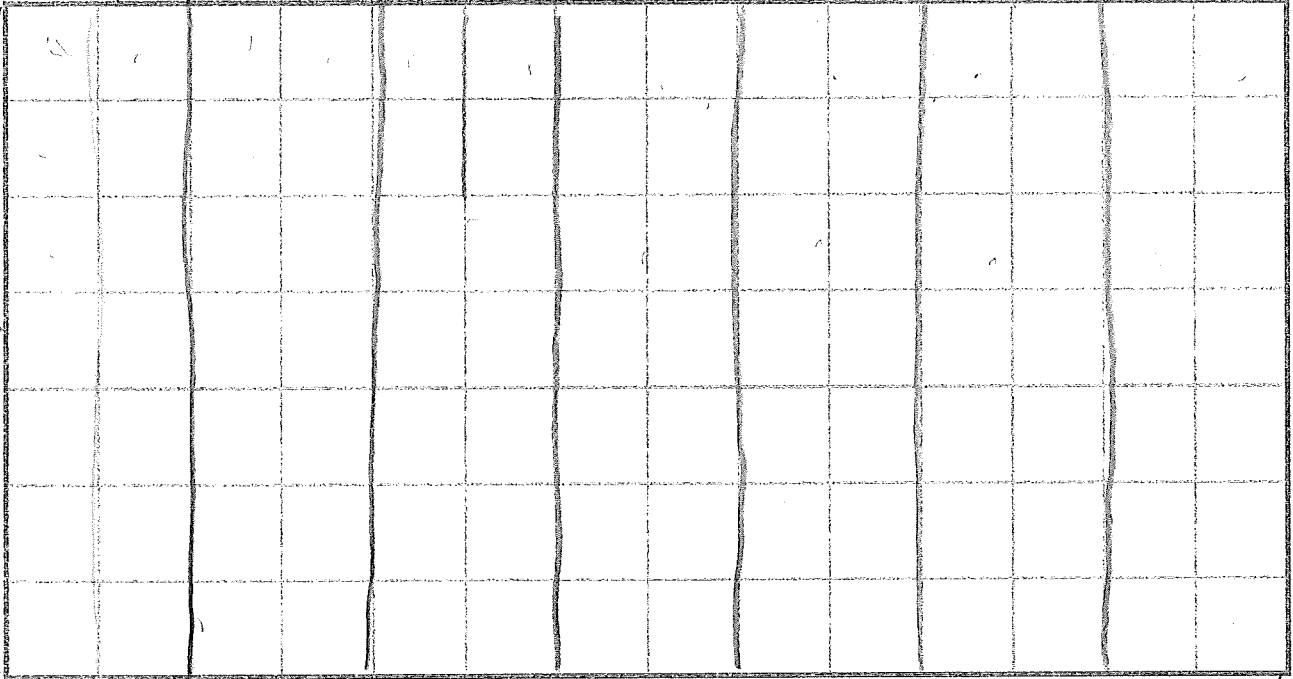
NAME _____

DATE _____

7 × 14 Arrays

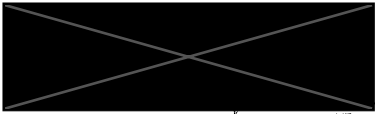
$$14 + 14 + 14 + 14 + 14 + 14 + 14 = 98$$

group 5 of 7



98

14



NAME

DATE

7 × 14 Arrays

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1
0	2	4	6	8	10	12	14	16	18	20	22	24	26
0	3												
0	4												
0	5												
0	6												

7 14 21 28 35 42 49 56 63 70 77 84 91 98 105

7

7

98 T64



DATE _____

7×14 Arrays

$$\begin{array}{r} 14 \\ + 28 \\ \hline 42 \\ + 28 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 28 \\ + 14 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 42 \\ + 38 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 42 \\ + 56 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 40 \\ + 16 \\ \hline 56 \end{array}$$

$$\begin{array}{l} 14 + 28 = 42 + 56 - 28 \\ 14 + 0 \quad 14 + 14 \quad 14 + 14 \quad 14 + 14 \end{array}$$



NAME

DATE

7 × 14 Arrays

14

$$7 \times 10 = 70 \quad 7 \times 4 = 28$$

7

1	2	3	4	5	6	7	8	9	10	11	12	13	14
2													6
3													5
4													4
5													3
6													2
7	14	13	12	11	10	9	8	7	6	5	4	3	2

70

$$+ \text{line } 28 = 98$$

1	1	2	3	4	5	6	7	8	9	10	1	2	3	4
2	1	2	3	4	5	6	7	8	9	10	2			
3	1	2	3	4	5	6	7	8	9	10	3			
4	1	2	3	4	5	6	7	8	9	10	4			
5	1	2	3	4	5	6	7	8	9	10	5			
6	1	2	3	4	5	6	7	8	9	10	6			
7	1	2	3	4	5	6	7	8	9	10	7			

$$7 \times 10 = 70$$

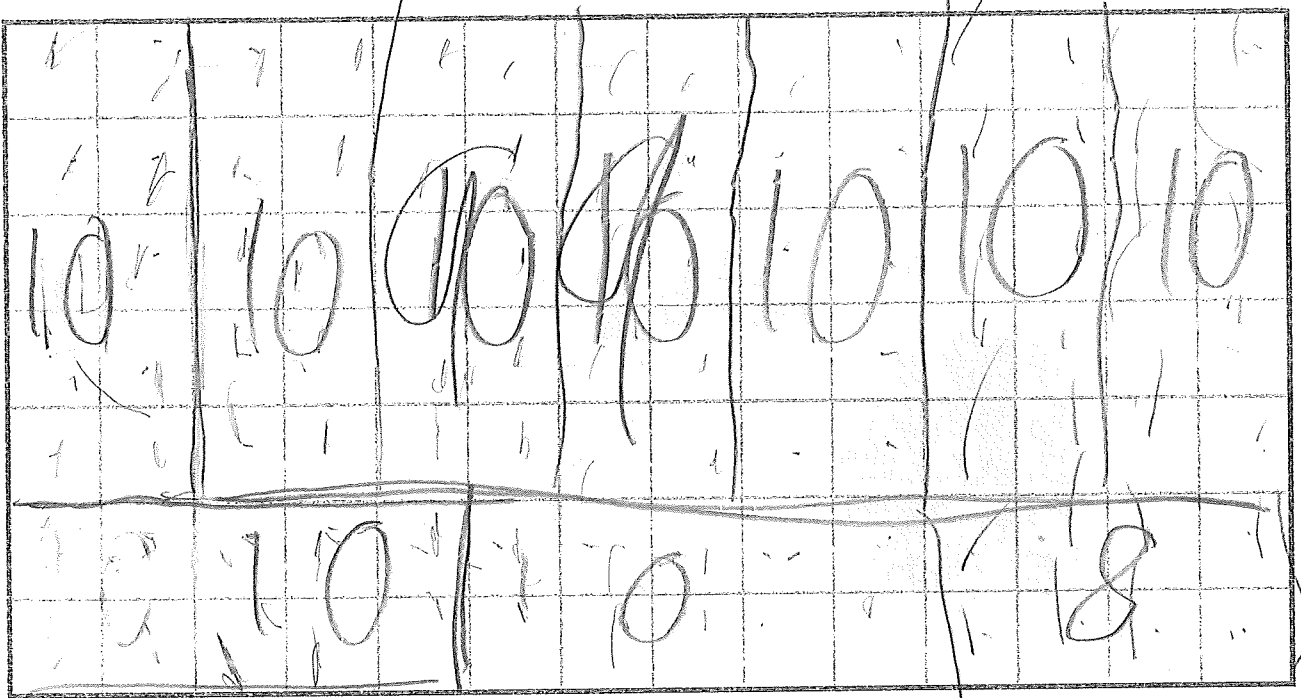
$$70 + 28 = 98$$



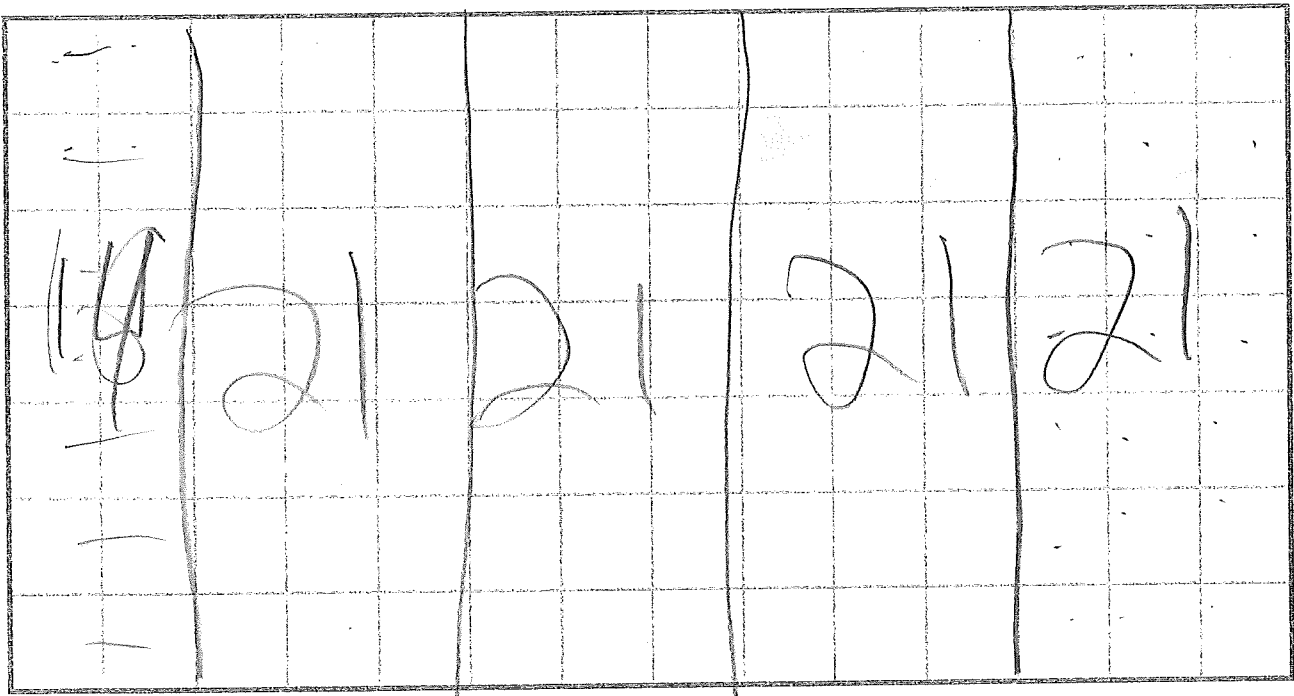
NAME _____

DATE _____

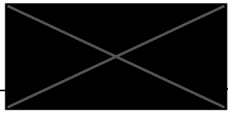
7 × 14 Arrays



- 98



- 99



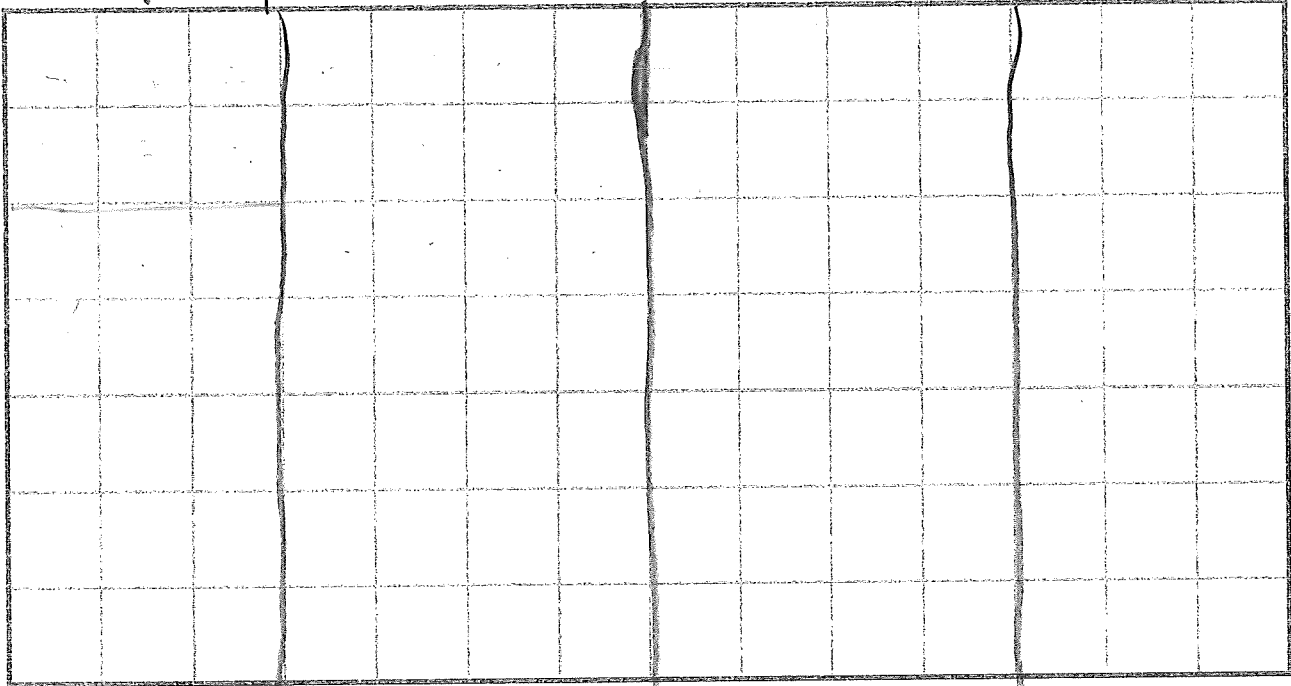
NAME _____

DATE _____

7 × 14 Arrays

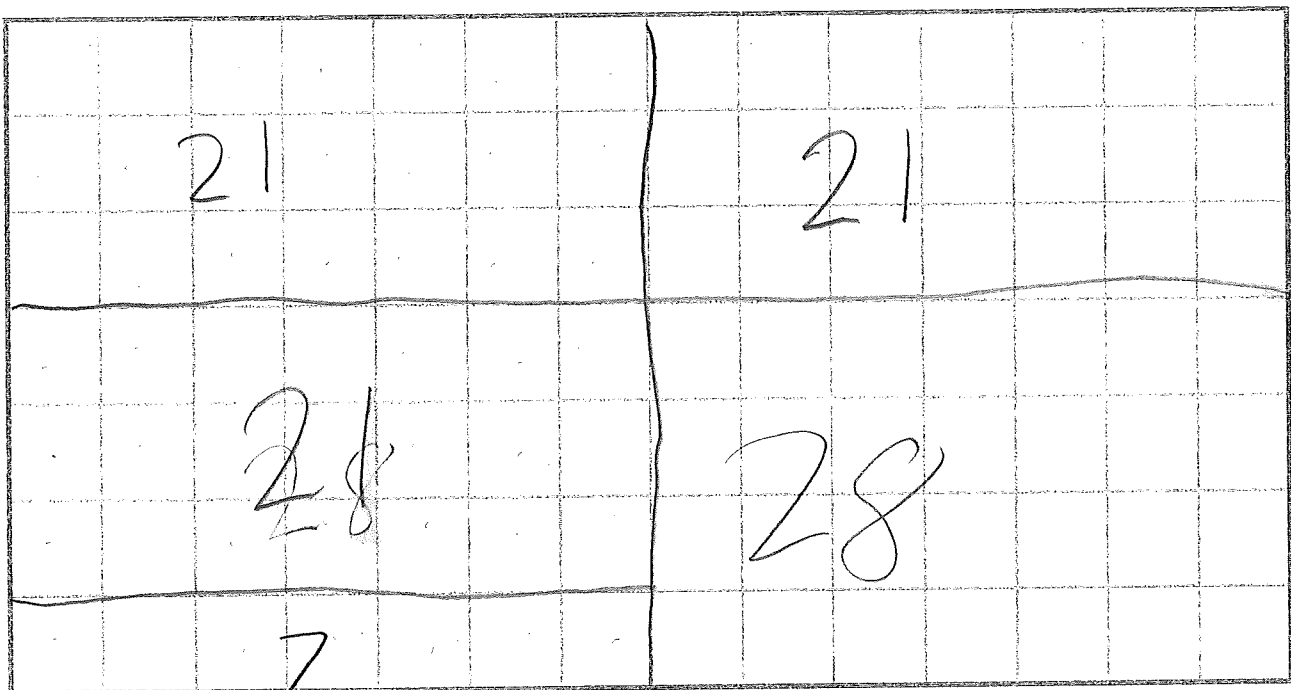
+ 28

+ 21 = 98



$$\begin{array}{r} 21 \\ 21 \\ 28 \\ + 28 \\ \hline 98 \end{array}$$

98 students



$$\begin{array}{r} 21 \\ 21 \\ 21 \\ 28 \\ + 28 \\ \hline 98 \end{array}$$



NAME

42 DATE

42

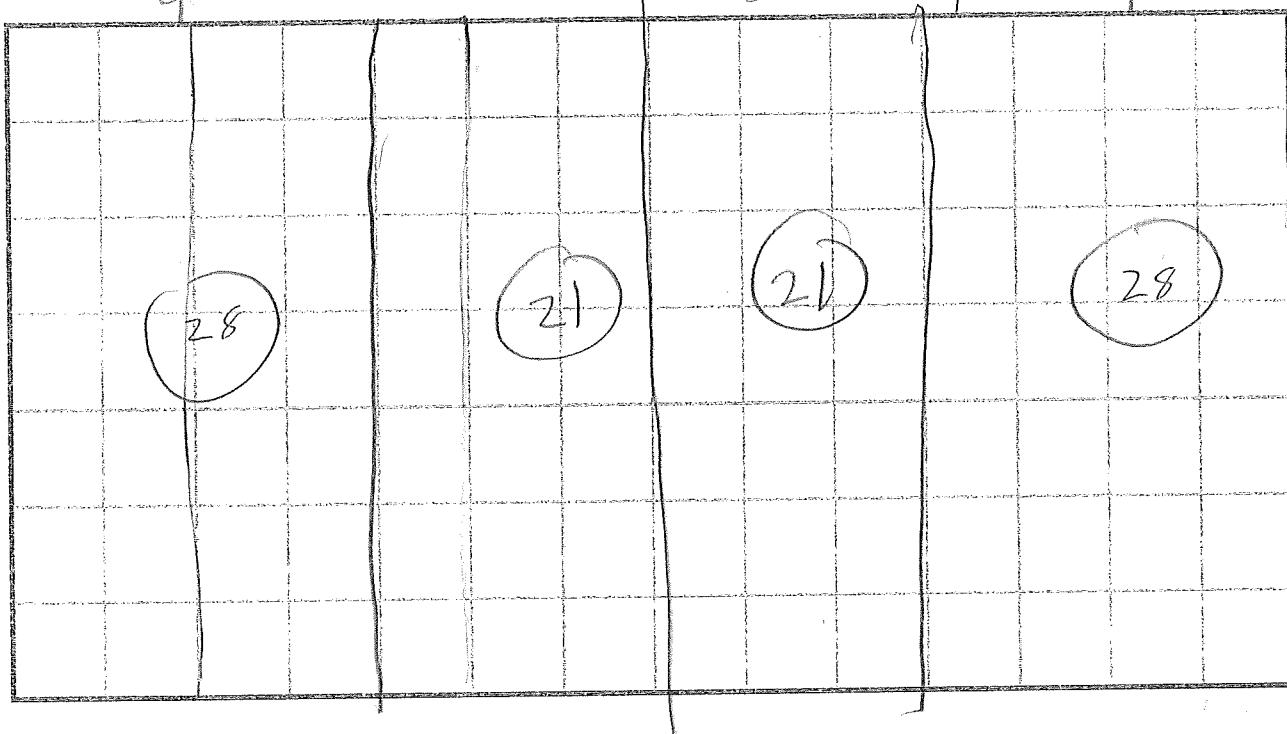
$$28 + 28 = 56$$

7 × 14 Arrays 3

+ 3

$$\begin{array}{r} 42 \\ + 56 \\ \hline 98 \end{array}$$

4



10

9

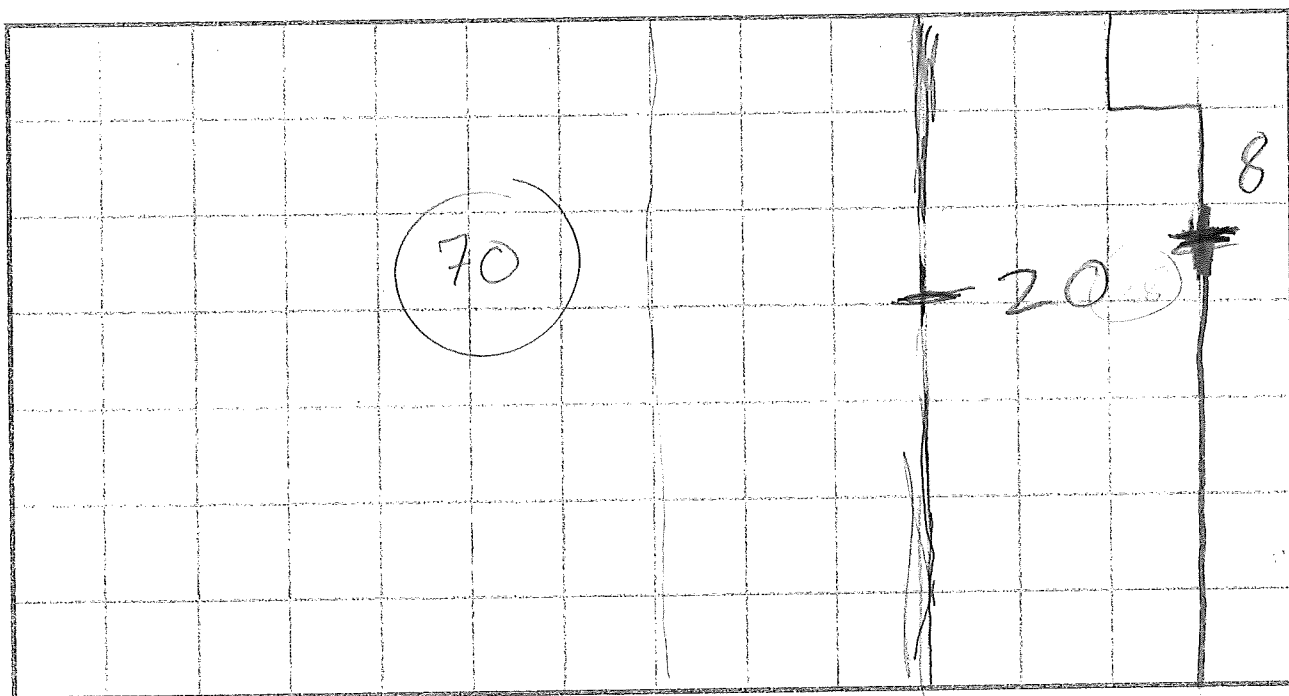
4

98

7

7

= 98





NAME

DATE

5123119

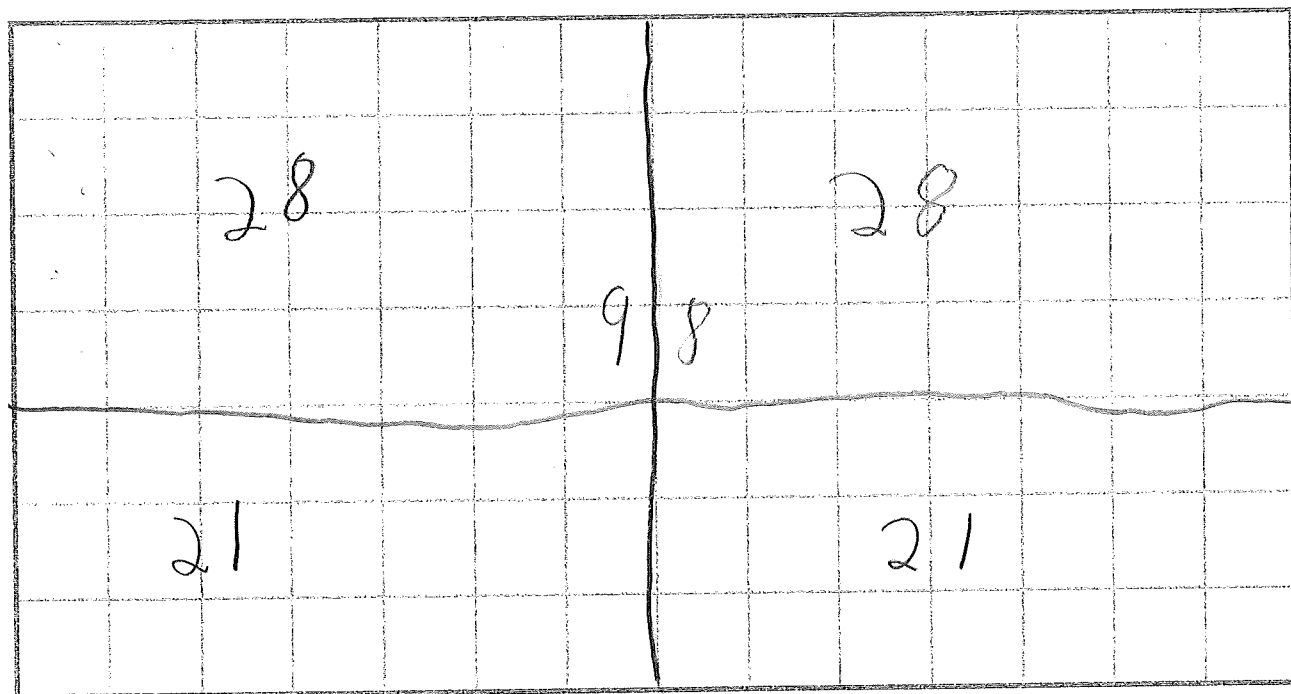
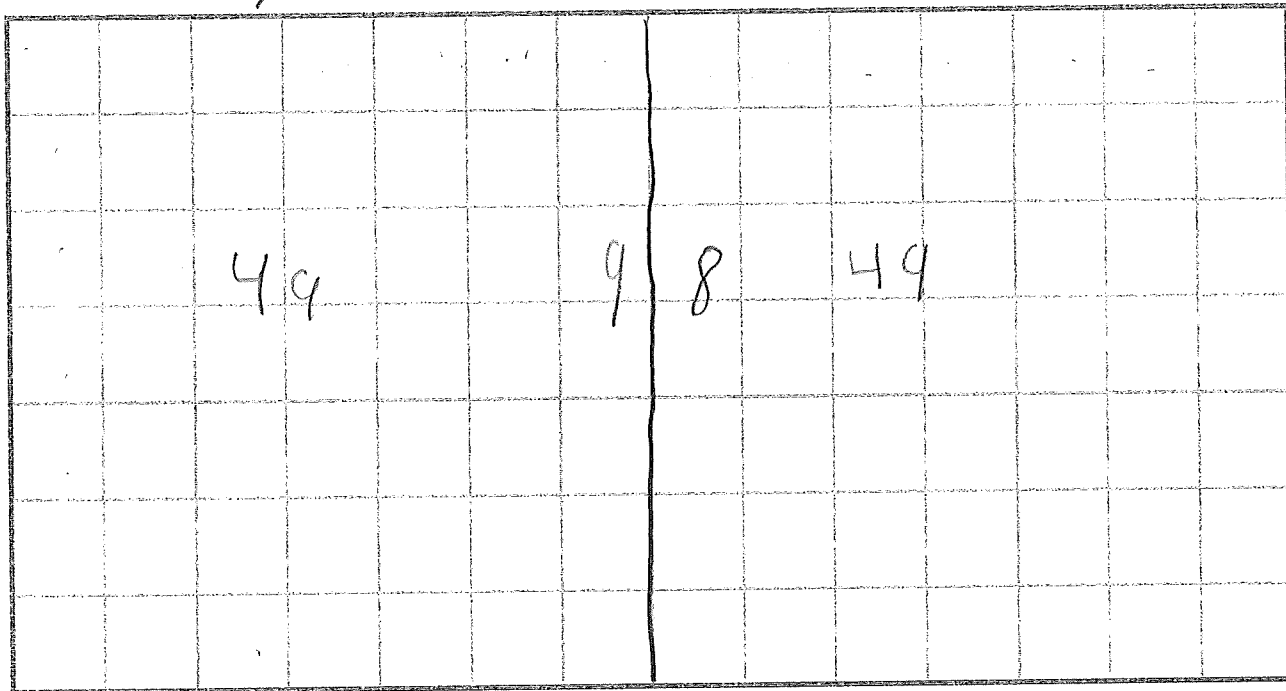
7 × 14 Arrays

7

7

7

7



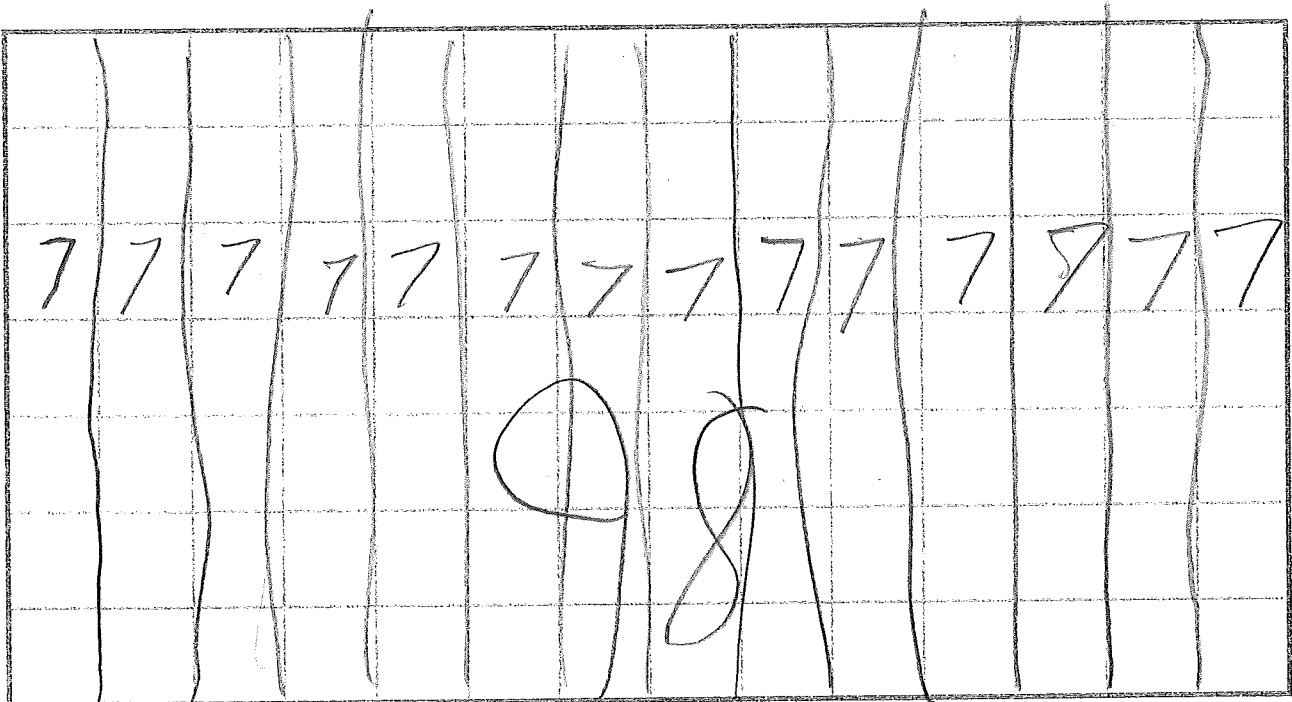
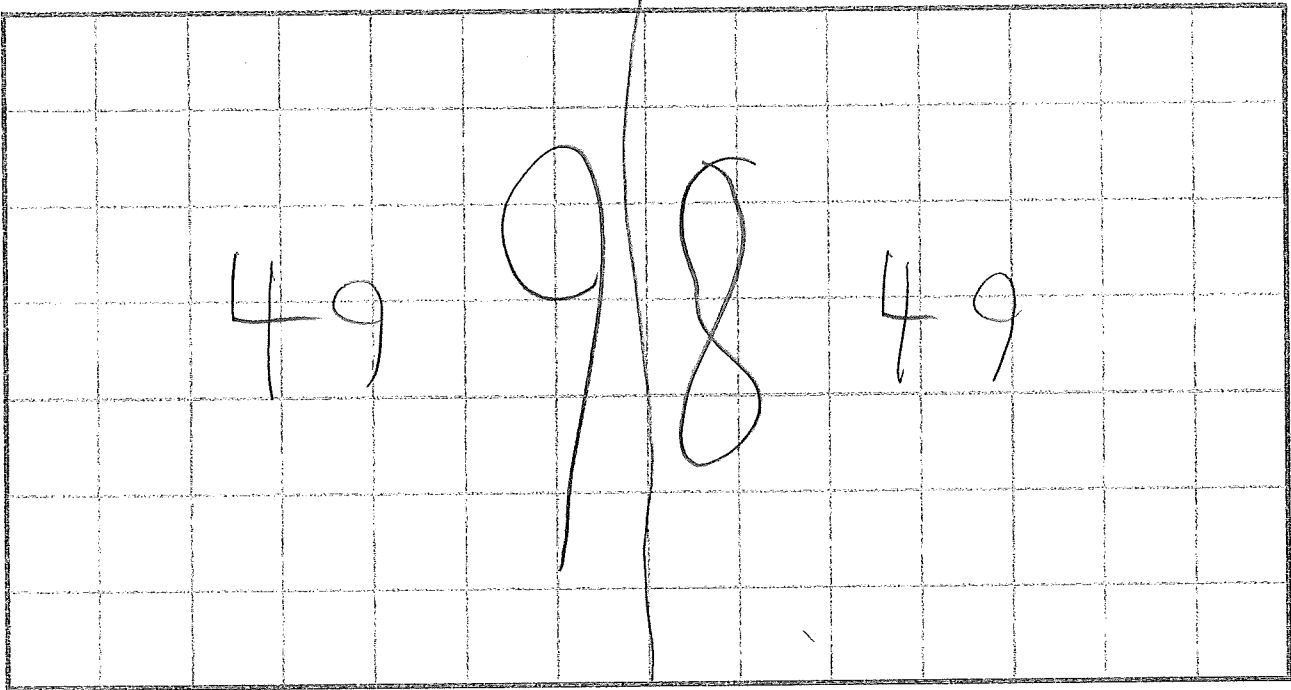


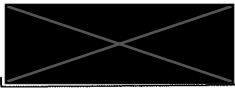
NAME

5-23-18

DATE

7×14 Arrays





NAME

DATE

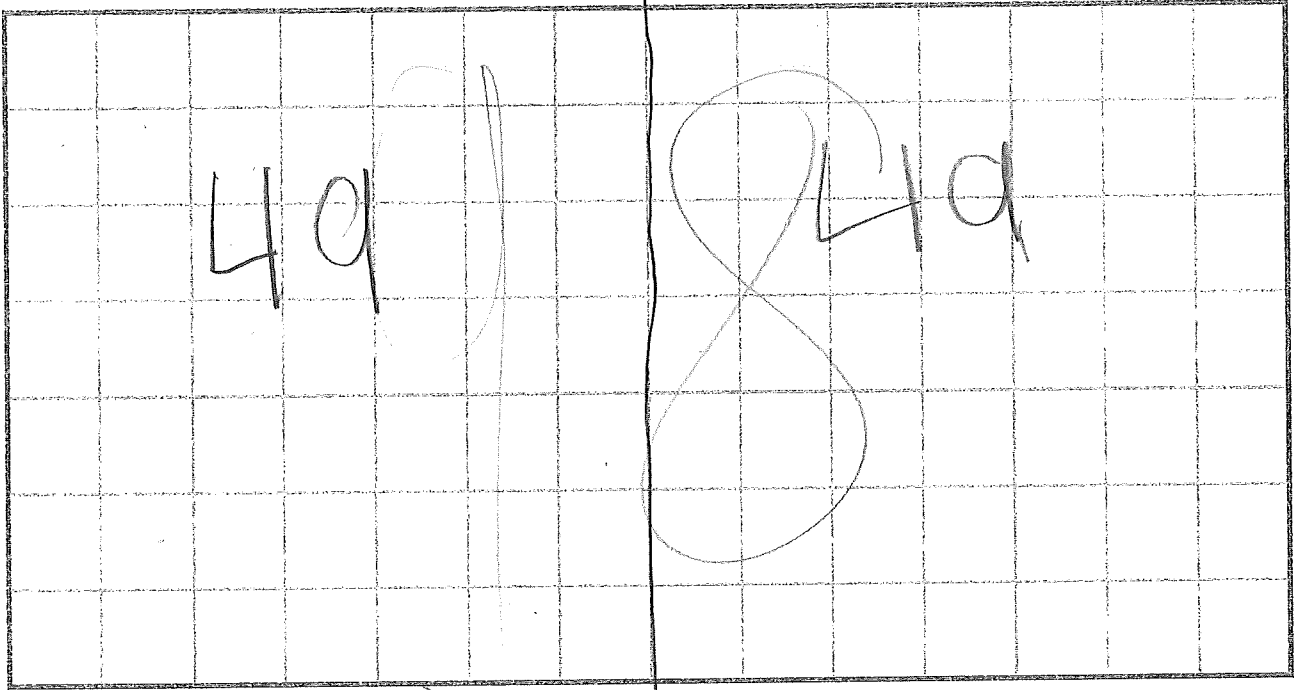


TEACHING AIDS

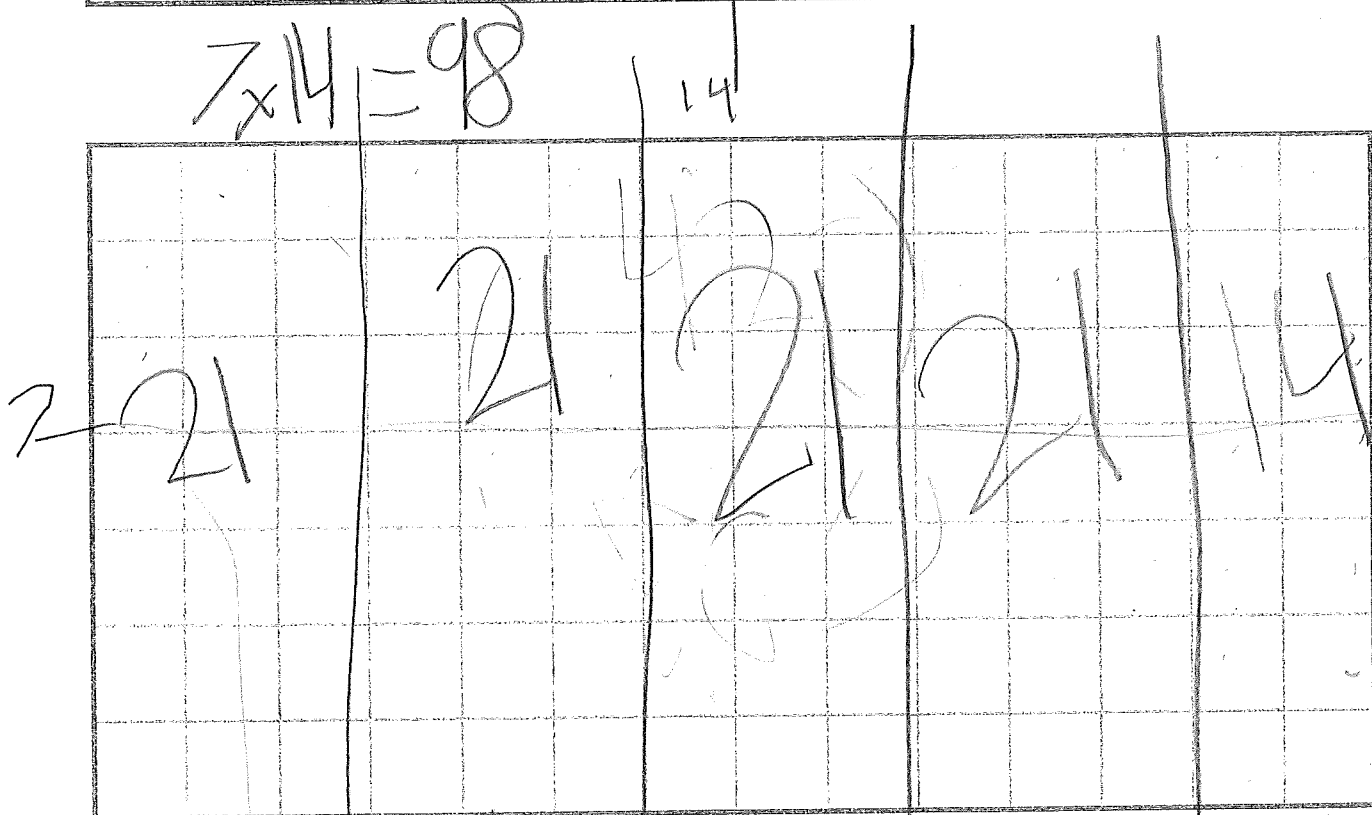
$$\begin{array}{r} 49 \\ \times 2 \\ \hline 98 \end{array}$$

7 × 14 Arrays

7



$$7 \times 14 = 98$$



$$42 + 56 = 98$$

+

T64

$$42 + 56 = 98$$



NAME

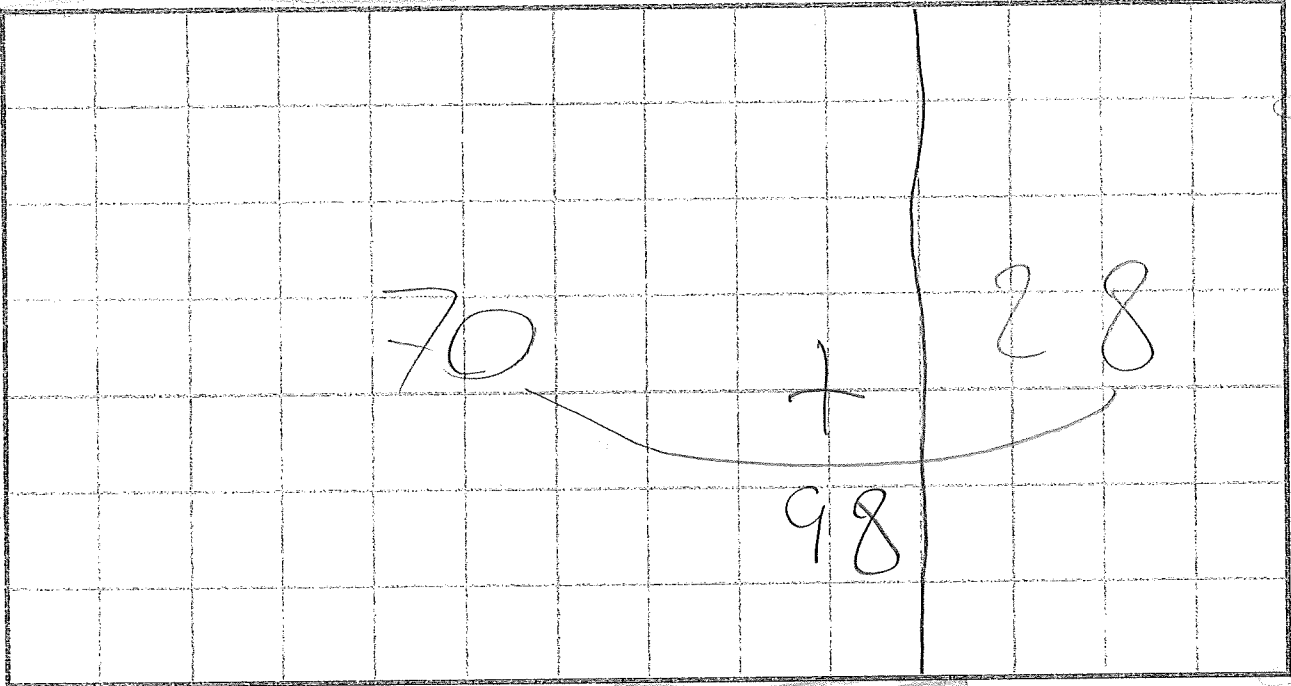
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5-23-2019

7 × 14 Arrays

10

4



11

3

