

Amy Lyon Smakshar  
Harding School  
September 30, 1993

1.  $(\boxed{2} \times \boxed{5}) - (5 \times \boxed{3}) + 6 = 0$

2.  $(\boxed{5} \times \boxed{5}) - (16 \times \boxed{5}) + 55 = 0$   
 $\{5, 11\}$

3.  $(\boxed{3} \times \boxed{3}) - (10 \times \boxed{3}) + 21 = 0$   
7

4.  $(\boxed{2} \times \boxed{2}) - (15 \times \boxed{2}) + 26 = 0$

$$5. (\boxed{5} \times \boxed{5}) - (6 \times \boxed{5}) + 5 = 0$$

5, 1

$$6. (\boxed{4} \times \boxed{4}) - (7 \times \boxed{4}) + 12 = 0$$

$$7. (\boxed{3} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$$

$$8. (\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$$

$$9. (\boxed{5} \times \boxed{5}) - (11 \times \boxed{5}) + 30 = 0$$

6

$$10. (\boxed{8} \times \boxed{8}) - (20 \times \boxed{8}) + 96 = 0$$

12

Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$

$\{2, 3\}$

2.  $(\square \times \square) - (16 \times \square) + 55 = 0$

$\{5, 11\}$

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$

$\{7, 3\}$

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$

$\{2, 13\}$

Ankur

$$5. (\square \times \square) - (6 \times \square) + 5 = 0$$

5, 1

$$6. (\square \times \square) - (7 \times \square) + 12 = 0$$

3, 4

$$7. (\square \times \square) - (12 \times \square) + 20 = 0$$

2, 10

$$8. (\square \times \square) - (12 \times \square) + 32 = 0$$

4, 8

9.  $(\square \times \square) - (11 \times \square) + 30 = 0$

6, 5

10.  $(\square \times \square) - (20 \times \square) + 96 = 0$

$(\square \times \square) \neq \square$

~~Handwritten scribbles~~

~~Handwritten scribbles~~

$2^2 = 4$

$2^3 = 8$

$2^4 = 16$

$2^5 = 32$   
 $2^6 = 64$

$$\begin{array}{r} 1024 \\ \times 22 \\ \hline 2048 \\ 20480 \\ \hline 102400 \end{array}$$

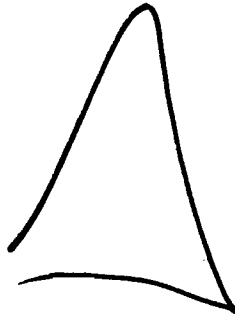
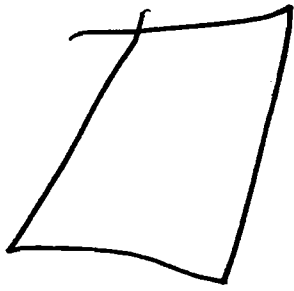
$1024 = 2^{10}$

~~Handwritten scribbles~~

$2^{10} = 1024$

$2^{20}$

$2^{11}$



$$\begin{array}{r} 524287 \\ \times 2 \\ \hline 1048574 \end{array}$$

$$\begin{array}{r} 1087152 \\ \times 2 \\ \hline 2174304 \end{array}$$

$$\begin{array}{r} 1234810825 \\ \times 2 \\ \hline 2469621650 \end{array}$$

$$\begin{array}{r} 4979443225 \\ \times 2 \\ \hline 9958886450 \end{array}$$

$$\begin{array}{r} 197599928 \\ \times 2 \\ \hline 395199856 \end{array}$$

$$\begin{array}{r} 197599928 \\ \times 2 \\ \hline 395199856 \end{array}$$

$$\begin{array}{r} 197599928 \\ \times 2 \\ \hline 395199856 \end{array}$$

$$\begin{array}{r} 800 \\ \times 2 \\ \hline 1600 \end{array}$$

$$\begin{array}{r} 10000 \\ \times 2 \\ \hline 20000 \end{array}$$

$$\begin{array}{r} 16384 \\ \times 2 \\ \hline 32768 \end{array}$$

$$\begin{array}{r} 32768 \\ \times 2 \\ \hline 65536 \end{array}$$

$$\begin{array}{r} 65536 \\ \times 2 \\ \hline 131072 \end{array}$$

$$\begin{array}{r} 131072 \\ \times 2 \\ \hline 262144 \end{array}$$

$$\begin{array}{r} 262144 \\ \times 2 \\ \hline 524288 \end{array}$$

$$\begin{array}{r} 512 \\ \times 2 \\ \hline 1024 \end{array}$$

$$\begin{array}{r} 1024 \\ \times 2 \\ \hline 2048 \end{array}$$

$$\begin{array}{r} 2048 \\ \times 2 \\ \hline 4096 \end{array}$$

$$\begin{array}{r} 4096 \\ \times 2 \\ \hline 8192 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 16 \\ \times 2 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 32 \\ \times 2 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 64 \\ \times 2 \\ \hline 128 \end{array}$$

$$\begin{array}{r} 128 \\ \times 2 \\ \hline 256 \end{array}$$

$$\begin{array}{r} 256 \\ \times 2 \\ \hline 512 \end{array}$$

$$\begin{array}{r} 512 \\ \times 2 \\ \hline 1024 \end{array}$$

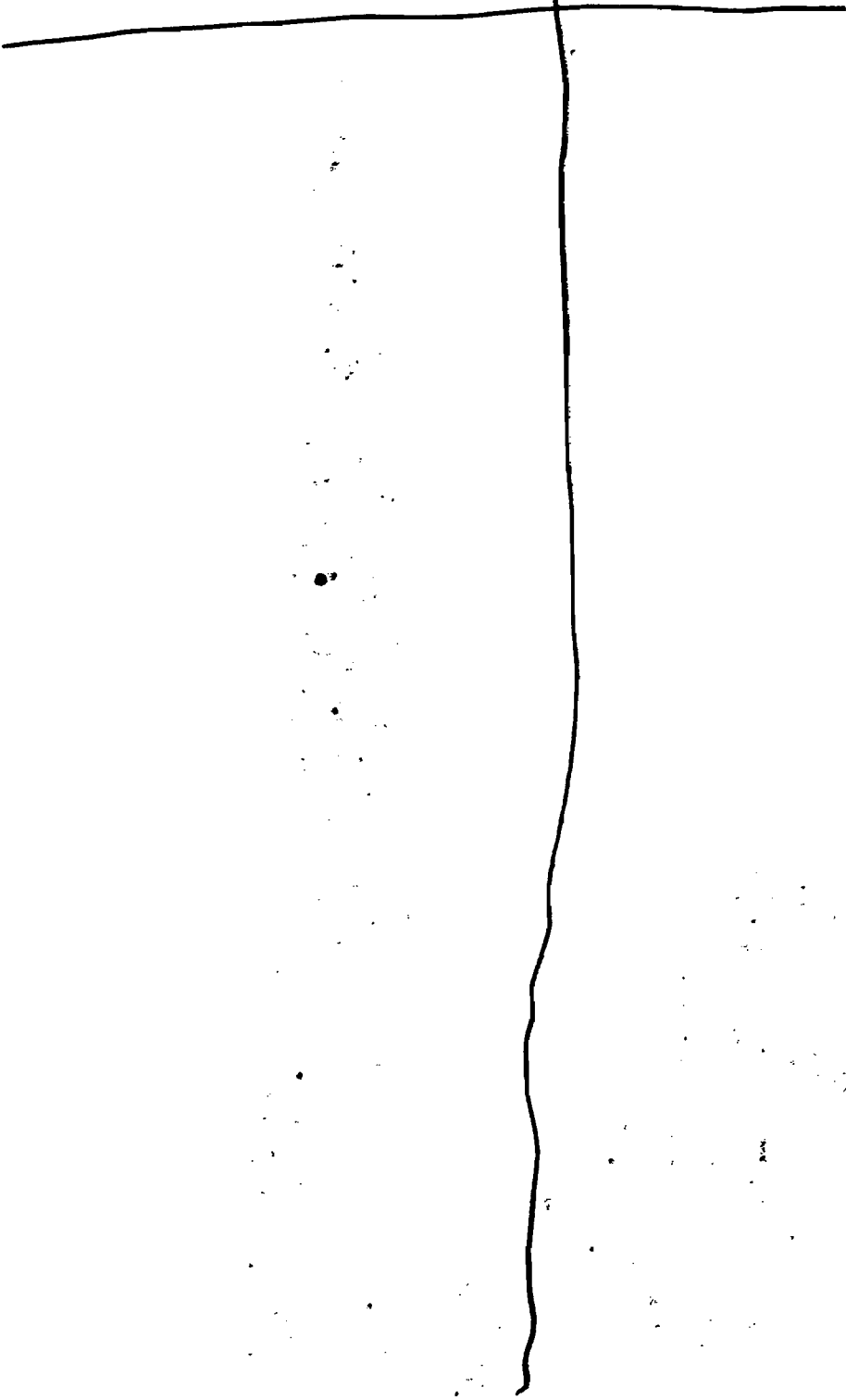
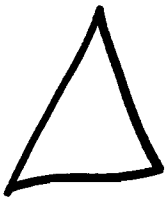
$$\begin{array}{r} 1024 \\ \times 2 \\ \hline 2048 \end{array}$$

$$\begin{array}{r} 2048 \\ \times 2 \\ \hline 4096 \end{array}$$

$$\begin{array}{r} 4096 \\ \times 2 \\ \hline 8192 \end{array}$$

$$\begin{array}{r} 8192 \\ \times 2 \\ \hline 16384 \end{array}$$





Bobby 10/25/93

Simon M.

Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$   
(2, 3)

2.  $(\square \times \square) - (16 \times \square) + 55 = 0$   
(5, 11)

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$   
(7, 3)

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$   
(2, 13)

$$5. (\square \times \square) - (6 \times \square) + 5 = 0$$

$$(5, 1)$$

$$6. (\square \times \square) - (7 \times \square) + 12 = 0$$

$$(3, 4)$$

$$7. (\square \times \square) - (12 \times \square) + 20 = 0$$

$$(2, 10)$$

$$8. (\square \times \square) - (12 \times \square) + 32 = 0$$

$$(4, 8)$$

$$\begin{array}{r} 48 \\ 16 \\ \hline 32 \end{array}$$

$$9. (\square \times \square) - (11 \times \square) + 30 = 0$$

(3, 6)

$$10. (\square \times \square) - (20 \times \square) + 96 = 0$$

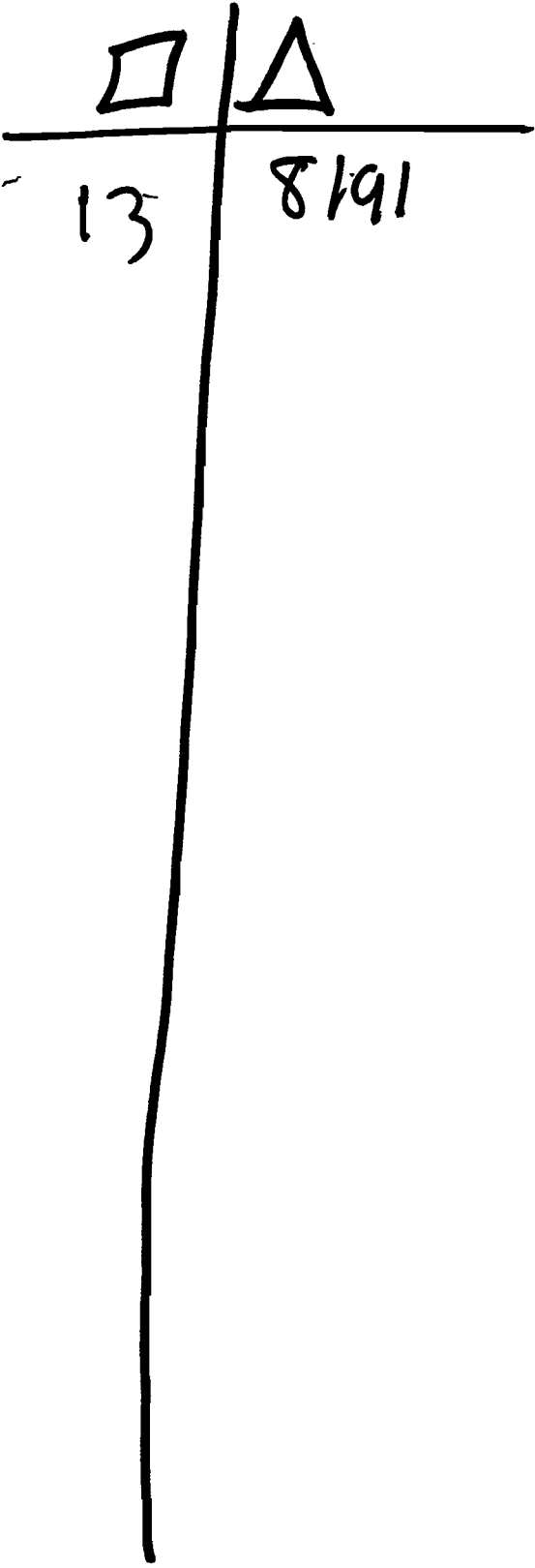
(8, 12)

$$\square \times \square - 17 \square + 14 = 0$$

$$\square \times \square - 13426 \square + 13426 = 6$$

9/1/20

JEFFGOCEL



$$\boxed{2} \div (\boxed{2} + 1) = \boxed{2}$$

10/28/93  
Jeff or Mike?

$$\boxed{2} \div (\boxed{2} + 2) = A$$

$$3 \div (6 + 2) = A$$

~~$$4 \div (6 + 2) = A$$~~

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$(\boxed{2} \wedge \boxed{2})^{-1} = A$$

$$\boxed{3} \times \boxed{3} \div \boxed{3}$$



10/28/93  
Jeh

Harding School  
September 30, 1993

1.  $(\boxed{3} \times \boxed{3}) - (5 \times \boxed{3}) + 6 = 0$

2.  $(\boxed{5} \times \boxed{6}) - (16 \times \boxed{5}) + 55 = 0$

3.  $(\boxed{7} \times \boxed{7}) - (10 \times \boxed{7}) + 21 = 0$

4.  $(\boxed{2} \times \boxed{2}) - (15 \times \boxed{2}) + 26 = 0$

Matt(?)

$$5. (\boxed{5} \times \boxed{0}) - (6 \times \boxed{5}) + 5 = 0$$

$$6. (\boxed{3} \times \boxed{3}) - (7 \times \boxed{3}) + 12 = 0$$

$$7. (\boxed{2} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$$

$$8. (\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$$

$$9. (\boxed{5} \times \boxed{5}) - (11 \times \boxed{5}) + 30 = 0$$

$$10. (\boxed{8} \times \boxed{8}) - (20 \times \boxed{8}) + 96 = 0$$

$$(2 \times 2) - (19 \times 2)$$

Michelle Iden  
Harding School  
September 30, 1993

1.  $(\boxed{2} \times \boxed{2}) - (5 \times \boxed{2}) + 6 = 0$

$20 \sqrt{96}$

$$\begin{array}{r} 012113 \\ \times 322 \\ \hline -429 \\ \hline 896 \end{array}$$

2.  $(\boxed{2} \times \boxed{3}) - (16 \times \boxed{5}) + 55 = 0$

$$\begin{array}{r} 64 \\ -16 \\ \hline 52 \end{array} \quad \begin{array}{r} 36 \\ \times 4 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 100 \\ \times 13 \\ \hline 305 \\ 1020 \\ \hline 1320 \end{array} \quad \begin{array}{r} 13 \\ \times 13 \\ \hline 139 \\ 390 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 012113 \\ \times 322 \\ \hline -429 \\ \hline 896 \end{array}$$

3.  $(\boxed{3} \times \boxed{3}) - (10 \times \boxed{3}) + 21 = 0$

4.  $(\boxed{4} \times \boxed{4}) - (15 \times \boxed{4}) + 26 = 0$

$$\begin{array}{r} 5 \\ \times 0 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

5.  $(\boxed{5} \times \boxed{8}) - (6 \times \boxed{5}) + 5 = 0$   
 (3, 11)

8  
 4  
 16  
~~14~~  
~~14~~  
~~14~~

6.  $(\boxed{9} \times \boxed{3}) - (7 \times \boxed{3}) + 12 = 0$

3  
 27  
~~21~~  
~~21~~  
 12

7.  $(\boxed{2} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$

8.  $(\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$

48  
 16  
 32  
 12  
 4  
 48

~~40~~  
~~20~~  
~~20~~  
 20

6  
 24  
 36  
 36

2  
 6  
 12

12  
 24  
 36

0

9.  $(\boxed{6} \times \boxed{5}) - (11 \times \boxed{3}) + 30 = 0$

10.  $(\boxed{8} \times \boxed{6}) - (20 \times \boxed{8}) + 96 = 0$

1342141728

1 1 X 2  
2684295436

1 1 X 2  
5368590912

X 2  
10737181824

1024  
2  
2048

33554432  
1 1 1  
67108864  
X 2  
134217728



~~1073~~

10737181824  
9

x

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$$\begin{array}{r} 1342147728 \\ \times \phantom{00000000} \\ \hline 5456 \end{array}$$

Harding School  
September 30, 1993

1.  $(\boxed{2} \times \boxed{2}) - (5 \times \boxed{3}) + 6 = 0$

2.  $(\boxed{3} \times \boxed{4}) - (16 \times \boxed{3}) + 55 = 0$

3.  $(\boxed{2} \times \boxed{3}) - (10 \times \boxed{3}) + 21 = 0$

4.  $(\boxed{4} \times \boxed{4}) - (15 \times \boxed{4}) + 26 = 0$

Michelle(?)

$$5. (\boxed{9} \times \boxed{9}) - (6 \times \boxed{9}) + 5 = 0$$

$$6. (\boxed{3} \times \boxed{3}) - (7 \times \boxed{3}) + 12 = 0$$

$$\begin{array}{r} 2 \\ 9 \\ \hline 12 \end{array}$$

$$7. (\boxed{2} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$$

$$8. (\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$$

$$\begin{array}{r} 13 \\ 7 \\ \hline 91 \\ 28 \\ \hline 119 \\ 7 \\ \hline 833 \end{array}$$

$$\begin{array}{r} 13 \\ 13 \\ \hline 169 \\ 13 \\ \hline 182 \end{array}$$

$$9. (\square \times \square) - (11 \times \square) + 30 = 0$$

$$10. (\square \times \square) - (20 \times \square) + 96 = 0$$

Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$

{ 2, 3 }

2.  $(\square \times \square) - (16 \times \square) + 55 = 0$

{ 5, 11 }

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$

{ 3, 7 }

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$

2

Michelle R

$$5. (\square \times \square) - (6 \times \square) + 5 = 0$$

5

$$6. (\square \times \square) - (7 \times \square) + 12 = 0$$

3,4

$$7. (\square \times \square) - (12 \times \square) + 20 = 0$$

2

$$8. (\square \times \square) - (12 \times \square) + 32 = 0$$

{ 4, 8.

9.  $(\square \times \square) - (11 \times \square) + 30 = 0$

10.  $(\square \times \square) - (20 \times \square) + 96 = 0$

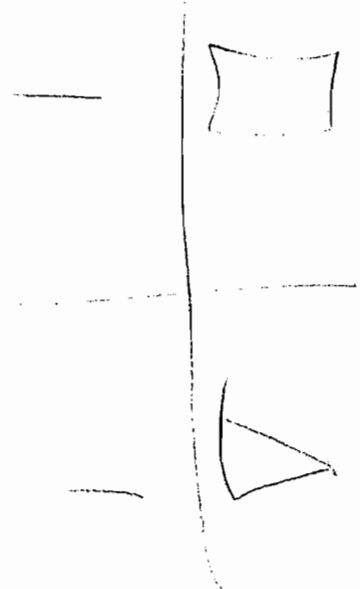


Mihir Patel

□	D
14	16 383
15	3 2767
16	6 5535
17	13 1071
18	26 2143
19	52 4287
20	10 48575
21	20 97151
22	41 94303
23	8 388607
24	16 727215
25	3 3 55 4431
26	6 71 08863

M i f h

8 7 9 5 4 3 2



~~7~~ ~~5~~ ~~4~~ ~~3~~ 2 3

255  
127  
63

3 1 5

$2^2 25 = 3355$      $4432$   
 $2^2 25 = 57, + 08,884$

$$\begin{array}{r} 8'191\cancel{1} \\ \cdot \quad \times 2 \\ \hline 16382 \end{array}$$

Rebecca D. Hilda  
Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$   
2.3

2.  $(\square \times \square) - (16 \times \square) + 55 = 0$   
3.3

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$   
4.3

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$   
5.3

$$5. (\boxed{5} \times \boxed{4}) - (6 \times \boxed{4}) + 5 = 0$$

{5, 4}

$$6. (\boxed{4} \times \boxed{4}) - (7 \times \boxed{4}) + 12 = 0$$

{3, 4}

$$7. (\boxed{2} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$$

{2, 10}

$$8. (\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$$

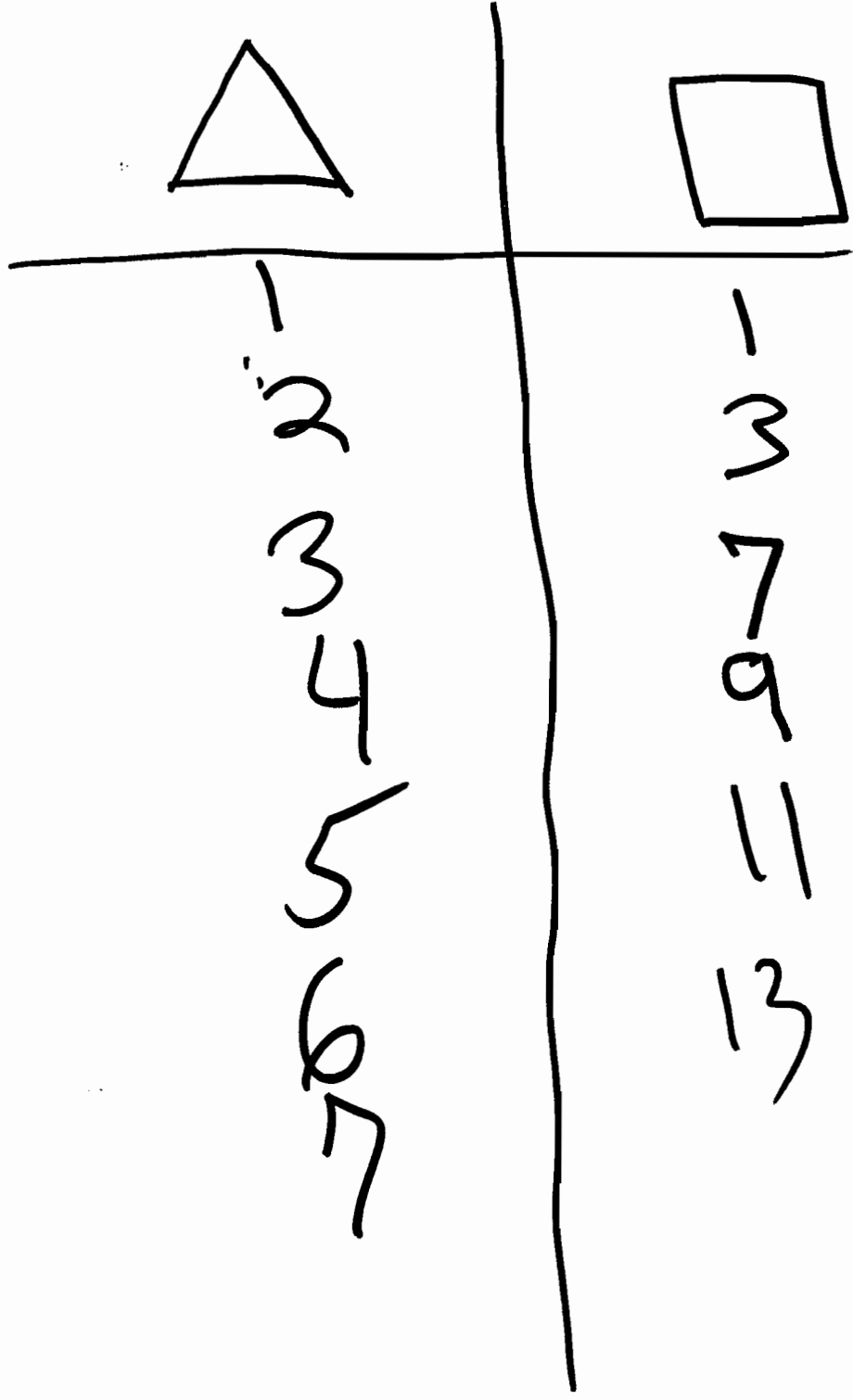
{4, 8}

$$9. (\boxed{5} \times \boxed{5}) - (11 \times \boxed{5}) + 30 = 0$$

(3, 6)

$$10. (\boxed{7} \times \boxed{4}) - (20 \times \boxed{7}) + 96 = 0$$

(5, 8)



A large, stylized handwritten signature or name, possibly "Rajiv", written in a cursive style.

$$\begin{array}{r} 102400 \\ \times 100 \\ \hline \end{array}$$

1,024,000







1

2

3

4

5

6

7

8

10

1

3

7

15

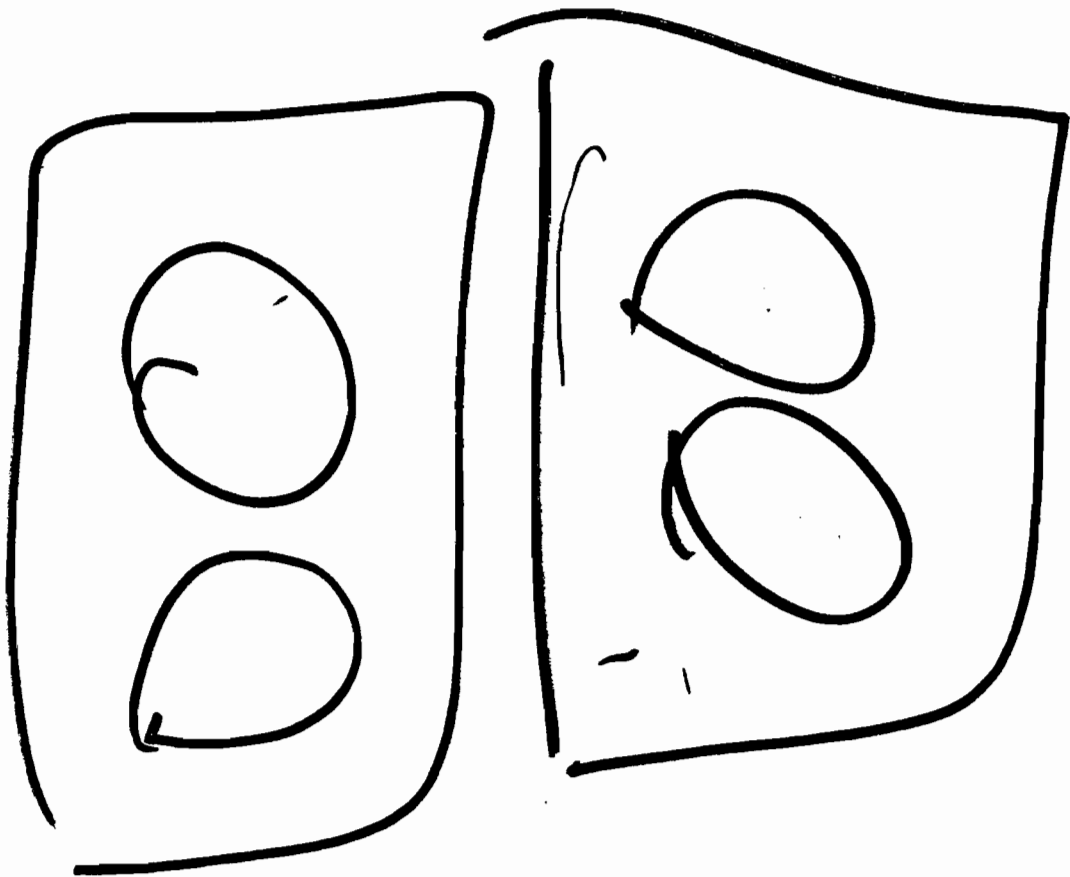
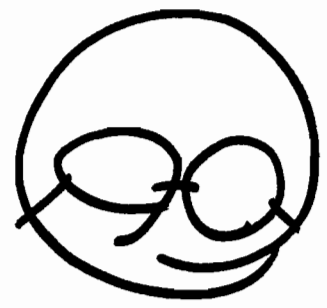
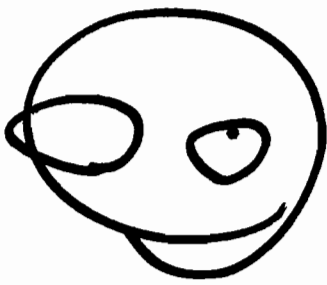
31

31  
31  

---

62  
63

26/8/97



33 | 00

Step number

# Harding School September 30, 1993 Guess My Rule

1.

$\square$	$\Delta$
0	1
1	3
2	5
3	7
4	9
5	11

$\square \times L$

2.

$\square$	$\Delta$
0	5
1	7
2	9
3	11
4	13

3.

$\square$	$\Delta$
0	1
1	4
2	7
3	10

4.

$\square$	$\Delta$
0	7
1	17
2	27
3	37
4	47
5	57

5.

$\square$	$\Delta$
0	2
1	8
2	18
3	28
4	38
5	48

6.

$\square$	$\Delta$
0	1
1	2
2	5
3	10
4	17
5	26

7.

$\square$	$\Delta$
0	5
1	6
2	9
3	14
4	21

8.

$\square$	$\Delta$
0	0
1	0
2	2
3	6
4	12
5	20
6	30

9.

$\square$	$\Delta$
0	0
1	$\frac{1}{2}$
2	2
3	$4\frac{1}{2}$
4	8
5	$12\frac{1}{2}$
6	18

10.

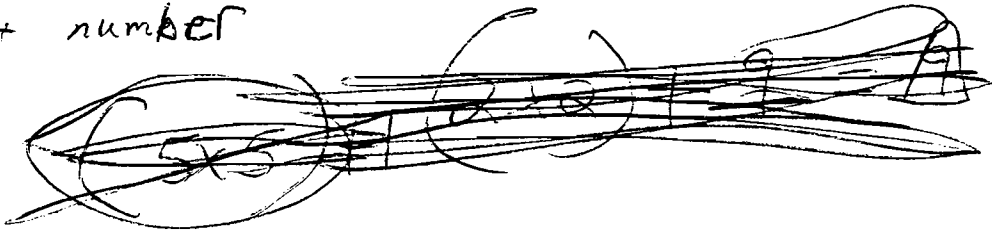
966 34,6,26,3,16 p, 00 2,000



7.

$\square$	$\Delta$
0	5
1	6
2	9
3	14
4	21

5 - First number



8.

$\square$	$\Delta$
0	0
1	0
2	2
3	6
4	12
5	20
6	30

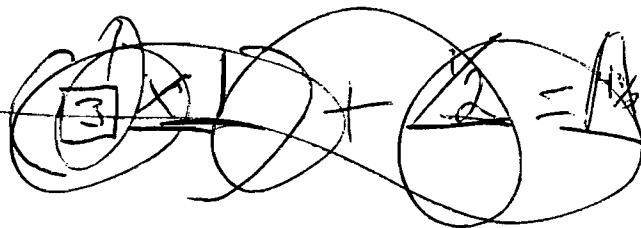
Divide the two numbers

$$\Delta \div \square$$

$$(\Delta \div \square) + 1 =$$

9.

$\square$	$\Delta$
0	0
1	$\frac{1}{2}$
2	2
3	$4\frac{1}{2}$
4	8
5	$12\frac{1}{2}$
6	18



Stef

9 6 6 3 4 6 2 6 3 1 6 0 0  
10

1 3 4 2 1 4 7 7 2 8  
1 1 1  
2

~~1 6 6 3 4 6 2 6 3 1 6 0 0 0  
10~~

~~2 5 8 . 4 2 9 , 5 4 5 . 7  
1 1 1 1 1 1  
2~~

~~1 6 6 3 4 6 2 6 3 1 6 0 0 0 0  
10~~

~~3 6 8 5 9 0 9 1 2  
1 1 1 1 1 1 1 1  
2~~

~~1 6 6 3 4 6 2 6 3 1 6 0 0 0 0 0  
10~~

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

~~1 6 6 3 4 6 2 6 3 1 6 0 0 0 0 0 0  
10~~

~~6 3 4 6 2 6 3 1 6  
10~~

~~1 6 6 3 4 6 2 6 3 1 6 0  
10~~

1 6 6 3 4 6 2 6 3 1 6 0 0

Harding School  
September 30, 1993

1.  $(\boxed{4} \times \boxed{3}) - (5 \times \boxed{2}) + 6 = 0$

2.  $(\boxed{5} \times \boxed{5}) - (16 \times \boxed{5}) + 55 = 0$

3.  $(\boxed{2} \times \boxed{3}) - (10 \times \boxed{5}) + 21 = 0$

4.  $(\boxed{4} \times \boxed{4}) - (15 \times \boxed{4}) + 26 = 0$

$$5. (\overline{5} \times \overline{5}) - (6 \times \overline{5}) + 5 = 0$$

$$6. (\overline{3} \times \overline{3}) - (7 \times \square) + 12 = 0$$

$$7. (\overline{8} \times \overline{2}) - (12 \times \overline{2}) + 20 = 0$$

$$8. (\overline{6} \times \overline{4}) - (12 \times \overline{4}) + 32 = 0$$

$$9. (\square \times \square) - (11 \times \square) + 30 = 0$$

$$10. (\square \times \square) - (20 \times \square) + 96 = 0$$

$$\begin{array}{r} 16 \\ \times 4 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 16 \\ \times 5 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 15 \\ \times 4 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 17 \\ \times 17 \\ \hline 119 \\ 170 \\ \hline 289 \end{array}$$

$$\begin{array}{r} 12 \\ \times 12 \\ \hline 24 \\ 120 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 19 \\ \times 19 \\ \hline 38 \\ 190 \\ \hline 361 \end{array}$$

$$\begin{array}{r} 28 \\ - 144 \\ \hline 84 \end{array}$$

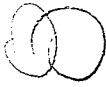
7

$$\begin{array}{r} \frac{1}{6} \\ \times 4 \\ \hline 64 \end{array}$$

48

$$\begin{array}{r} 4 \\ 16 \\ \times 7 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 514 \\ \times 4 \\ \hline 2056 \\ - 16 \\ \hline 48 \end{array}$$



$$\begin{array}{r} 112 \\ 49 \\ \hline \end{array}$$

8



3x3

$$\begin{array}{r} 6 \\ 6 \\ \hline 36 \\ 6 \end{array}$$

9

$$\begin{array}{r} 2 \\ 16 \\ \times 3 \\ \hline 57 \end{array}$$

$$\begin{array}{r} 417 \\ 37 \\ - 9 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 0 \\ 15 \\ 115 \\ \hline 75 \\ 130 \\ \hline 225 \end{array}$$

40

76 16

$$\begin{array}{r} 2 \\ 19 \\ \times 4 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 2 \\ 10 \\ \times 15 \\ \hline 300 \\ - 100 \\ \hline 200 \end{array}$$

12/8/19

12/8/19



$$\begin{array}{r} 95 \\ 25 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 95 \\ 25 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 719 \\ \times 8 \\ \hline 562 \end{array}$$

$$\begin{array}{r} 419 \\ \times 5 \\ \hline 2095 \end{array}$$

$$\begin{array}{r} 419 \\ \times 5 \\ \hline 2095 \end{array}$$

$$\begin{array}{r} 017 \\ \times 41 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 017 \\ \times 41 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 819 \\ \times 9 \\ \hline 171 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 1100146 \\ \times 11 \\ \hline 1100146 \\ 1100146 \\ \hline 121319 \end{array}$$

$$\begin{array}{r} 415 \\ \times 9 \\ \hline 3735 \end{array}$$

$$\begin{array}{r} 90819 \\ \times 9 \\ \hline 171 \end{array}$$

$$\begin{array}{r} 38 \\ - 4 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 119 \\ \times 2 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 121319 \\ \times 6 \\ \hline 114 \end{array}$$

- 2

9

6

4

$$\begin{array}{r} 101 \\ + 202 \\ \hline \end{array}$$

~~$$\begin{array}{r} 36 \\ + 108 \\ \hline 144 \\ + 612 \\ \hline 756 \end{array}$$~~

$$\begin{array}{r} 13 \\ \times 13 \\ \hline 39 \\ 390 \\ \hline 429 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 52 \end{array}$$

~~$$\begin{array}{r} 108 \\ + 612 \\ \hline 720 \end{array}$$~~

3

~~$$\begin{array}{r} 312 \\ - 729 \\ \hline 247 \\ + 182 \\ \hline 429 \\ - 307 \\ \hline 122 \end{array}$$~~

7

49

~~$$\begin{array}{r} 102 \\ + 408 \\ \hline 510 \\ - 16 \\ \hline 494 \end{array}$$~~

~~$$\begin{array}{r} 270 \\ \times 13 \\ \hline 157 \\ 190 \\ \hline 257 \end{array}$$~~

$$\begin{array}{r} 36 \\ -68 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ 4 \end{array}$$

36

d

11

3  
+

$$\begin{array}{r} 11 \\ \times 11 \\ \hline 11 \\ 11 \\ \hline 121 \end{array}$$

$$\begin{array}{r} 15 \\ \times 11 \\ \hline 15 \\ 15 \\ \hline 165 \\ 121 \\ \hline 4 \end{array}$$

$$8 \times 8 = 64$$

$$25 \cdot 80$$

$$23 \cdot 57$$

$$\begin{array}{r} 14 \\ 3 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 11 \\ 11 \\ \hline 121 \end{array}$$

$$16$$

$$25$$

$$\sqrt{12}$$

$$\begin{array}{r} 161 \\ 161 \\ \hline 322 \\ 161 \\ \hline 483 \\ 161 \\ \hline 644 \end{array}$$

$$64$$

$$225$$

$$36 \cdot 21$$

$$\begin{array}{r} 17 \\ 17 \\ \hline 289 \\ 17 \\ \hline 476 \end{array}$$

$$14 \cdot 17$$

$$\begin{array}{r} 140 \\ 49 \end{array}$$

$$16$$

$$142 + 1 = 3$$

Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$

$\{2, 2\}$

2.  $(\overset{3}{\square} \times \overset{12}{\square}) - (16 \times \overset{12}{\square}) + 55 = 0$

16-34

25

$\{5, 11\}$

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$

$\{7, 3\}$

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$

12, 13

$$5. (\boxed{5} \times \boxed{5}) - (6 \times \boxed{5}) + 5 = 0$$

(5, 5)

$$6. (\boxed{4} \times \boxed{4}) - (7 \times \boxed{4}) + 12 = 0$$

{3, 4}

$$7. (\boxed{2} \times \boxed{2}) - (12 \times \boxed{2}) + 20 = 0$$

(2, 10)

$$8. (\boxed{4} \times \boxed{4}) - (12 \times \boxed{4}) + 32 = 0$$

16

20

48

(4, 8)

54

60

$$9. (\boxed{5} \times \boxed{5}) - (11 \times \boxed{5}) + 30 = 0$$

(9)

$$10. (\boxed{8} \times \boxed{8}) - (20 \times \boxed{4}) + 96 = 0$$

(13)

(13, 4)

5

~~11~~

$$\frac{16}{4}$$

$$\frac{16}{8}$$

16

$$16 = 64 + 55 = 0$$

AM  
AN

$$\frac{3 \times 3}{6}$$

$$\frac{12}{72}$$

$$16 - 21$$

~~26~~

$$4 \quad 24$$

$$9 - 30 - 21$$

$$\begin{array}{r} 60 \\ 16 \\ \hline -14 \end{array}$$

$$\begin{array}{r} 39 \\ 4 \\ \hline 76 \end{array}$$

$$36 - 72$$

$$4 - 30 - 26$$

~~21~~

~~53~~

$$9 \quad 21$$

9

$$25 \quad 30$$

$$25 \quad 60$$

$$4$$

$$\del{36} \quad 42$$

$$16 \quad 16$$

~~11~~

$$\begin{array}{r} 218 \\ 12 \\ \hline 111 \end{array}$$

$$36 \quad 40$$

$$29$$



Harding School  
September 30, 1993

1.  $(\square \times \square) - (5 \times \square) + 6 = 0$

$\{2, 3\}$

2.  $(\square \times \square) - (16 \times \square) + 55 = 0$

$\{5\}$

3.  $(\square \times \square) - (10 \times \square) + 21 = 0$

$\{3, 7\}$

4.  $(\square \times \square) - (15 \times \square) + 26 = 0$

$\{2\}$

$$5. (\square \times \square) - (6 \times \square) + 5 = 0$$

$$\{5\} \quad \{1\}$$

$$6. (\square \times \square) - (7 \times \square) + 12 = 0$$

$$\{3\} \quad \{4\}$$

$$7. (\square \times \square) - (12 \times \square) + 20 = 0$$

$$\begin{array}{r} 4 \\ \hline 24 \end{array}$$

$$\{2\} \quad 10$$

$$8. (\square \times \square) - (12 \times \square) + 32 = 0$$

$$\{4\} \quad \{2\}$$

9.  $(\square \times \square) - (11 \times \square) + 30 = 0$

SS : 5, 6

11/1/93

10.  $(\square \times \square) - (20 \times \square) + 96 = 0$

12, 8

$(\square \times \square) - \cancel{19} \times \square + 17 = 0$

~~8.5~~  
~~161.5~~



1	1
2	3
3	5
4	7
5	11