

Michael

①

12

X 33

46

12/15/1993

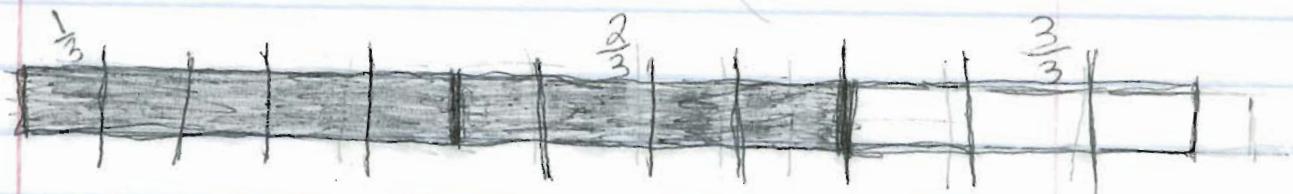
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15 16 17

1,2/3 | 1/3 | 2/3 | 3

Clarissa

Dec. 15, 1993

Math Boxes



$$2 \times 12 = 24 \text{ or } 12 \times 2 = 24 \text{ or } 12 \text{ or } 2) 24$$

$$\begin{array}{r} + 12 \\ \hline 24 \end{array}$$

$$\begin{array}{r} \\ \uparrow \\ 2) 4 \end{array}$$

$$\begin{array}{r} \\ \\ 2) 4 \end{array}$$

if I had 1 meter of ribbon, divided it into 3 rods and took $\frac{1}{3}$ away I would have $\frac{2}{3}$ of $\frac{1}{3}$. I did that 12 times $\frac{3}{1}$ I would get $\frac{2}{3} 4$ rods. For example,

$$\begin{array}{r} 2) 4 \\ + 2) 24 \\ \hline 24 \end{array}$$

Kelly

12/15/93

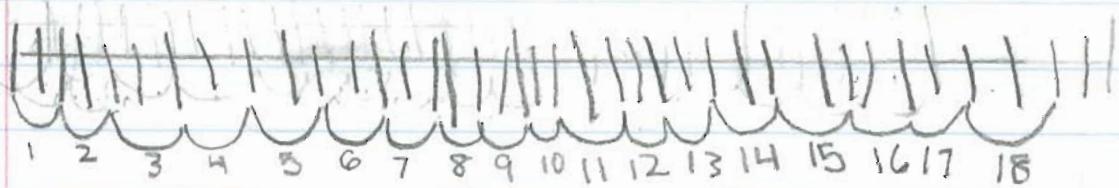
You can get 2 out of 12 meters
when you have $6+6=12$ and
~~2 or~~ ~~the~~ 6 were use and
you can it with times
a subtraction, multiplication and
division.

$$\begin{aligned}12 - 6 &= 6 \\6 + 6 &= 12 \\2 \times 6 &= 12 \\6 \times 2 &= 12 \\6 - 12 &= 6 \\12 \div 2 &= 6 \\2 \div 12 &= 6 \\2 \div \frac{2}{3} &= 18\end{aligned}$$

Jacqueline
Math

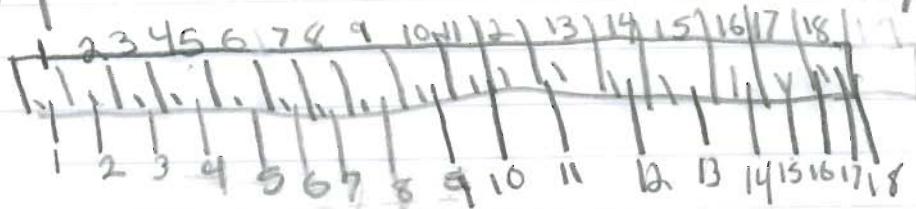
12/13/93

$$12 \div \frac{2}{3} = 18$$

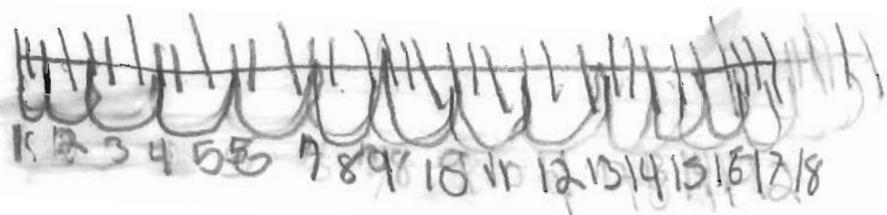
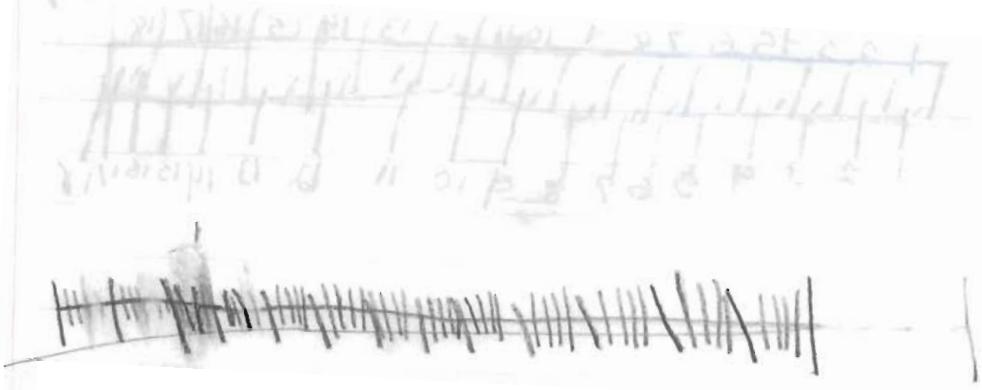


Kelly

11/16/93



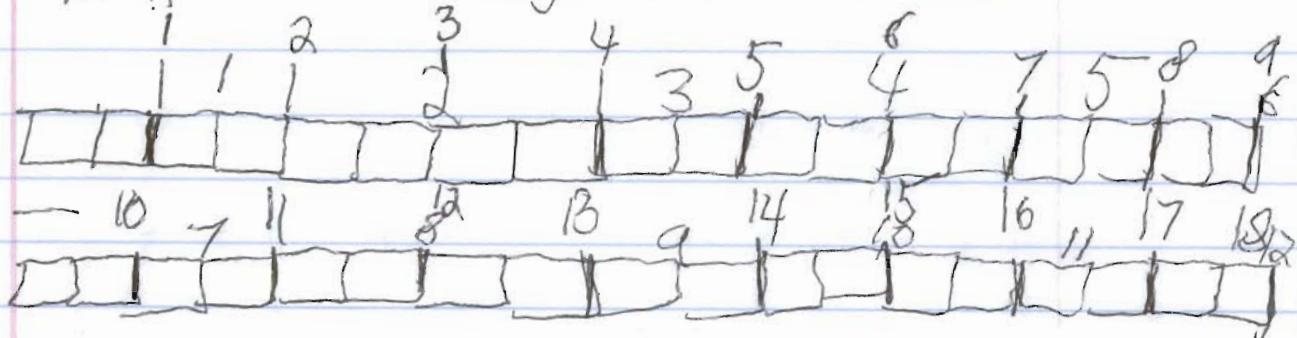
EP/21/V



Dave
Math

Counting the $\frac{2}{3}$ rds

Dec 15, 1988



Here I show, counting up the $\frac{2}{3}$ rds, and
I got 18.

18 BOWS

Sarah [REDACTED]

Dec. 15,

Prove:

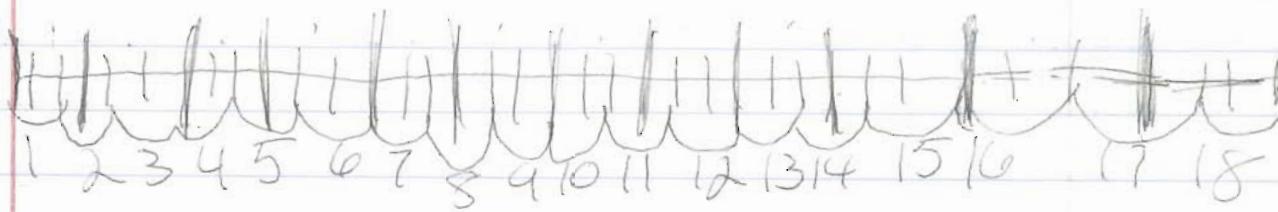
1	2	3	4	5	6	7	8	9	10
1	2/3	4	5/6	7	8/9	10	11/12	13	14/15 16 17/18
10	11	12							

I believe that out of 12 meters
and you divided them in to 2/3, you
will get eighteen bows.

Jakki



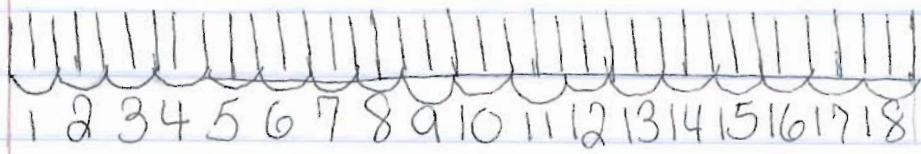
December 16, 1993



You can make 18 bows
because if you count my loops there
are 18.

Erin
Math Bows

December 10



You can make $18\frac{2}{3}$ in 12 meters.

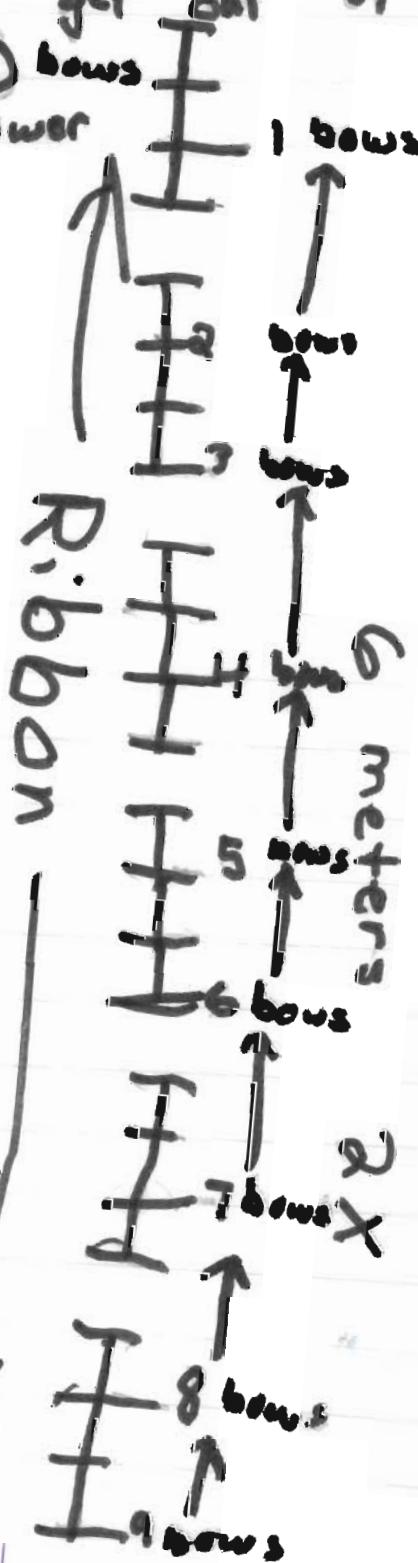
Mark

12/15/13

How many $\frac{2}{3}$ of a meter bows
can you get out of 12 meters of
ribbon? 18 bows

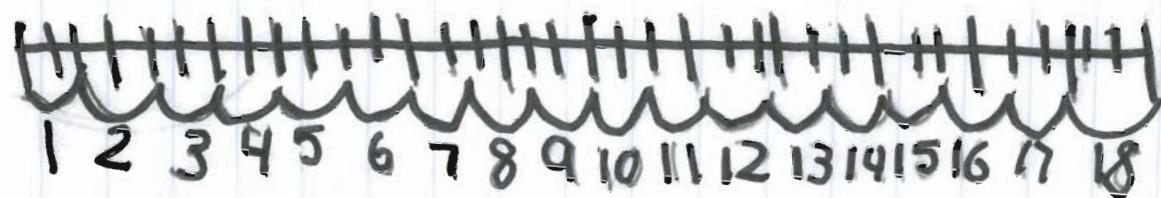
answer

answer:
18



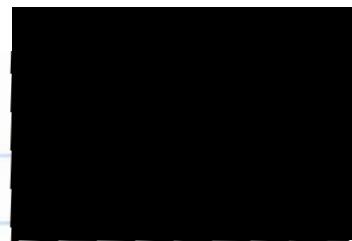
Jessica

Dec 15, 1993



O

Kimberly



12/15/93

O



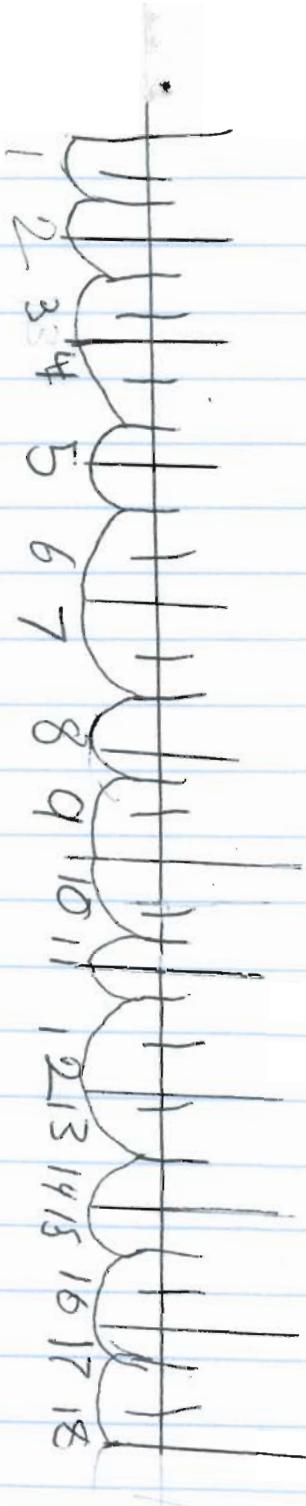
12 meters long
18 bowls

O

KEY: one meter

1-
2-
3-

Amy



12/16/93

12 meters long
2/3 bows

Caitlin
Math

December 15, 1993

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
~~1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18~~
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

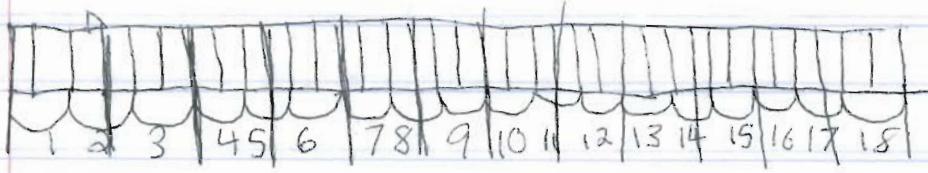
12m

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
~~1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18~~
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Meredith

December 16, 17

DIAGRAM



Gregory [REDACTED]
math bows

Dec. 16, 1995
P.A. 1

If you have 9 bows in 3 m.
if you add 9 more it will be
18 bows in 6 meters. If you
keep doing that you will come
out to 36. You can do that with
3's so there is 3 bows in one m.
do that 12 time you will get 36

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 36 \end{array}$$

the answer 36

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

$$\begin{array}{r} 3 \\ 3 \\ 3 \\ 3 \\ \hline 15 \end{array}$$

1/3

2/3

1m. 3/3

1/3

2/3

2m. 3/3

1/3

2/3

3m. 3/3

If in 2/3 it would
come out 18 that's
that's the answer

$$\begin{array}{r} 3 \\ 3 \\ 3 \\ 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 3 \\ 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 3 \\ 3 \\ \hline 21 \end{array}$$

Danielle
Math

Dec. 15, 1993

I got this answer (18) from
this diagram... & this math problem...

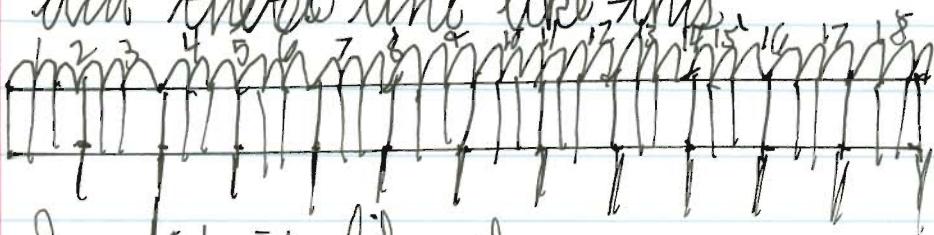


$$12 \div 2/3 = 18$$

James [REDACTED]
Math

12/15/43

I agree with Alan I got 18. I had to wait for my partner Andrew because he wasn't sure he did it right. Well he got the same as Alan and I. Alan and Andrew did theirs like this:



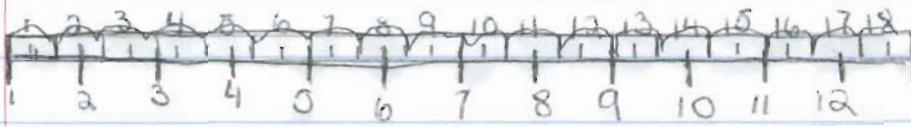
I did it like this:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3

This is over the two

Beth [REDACTED]
Math 150ws

December 15, 1993
[REDACTED]



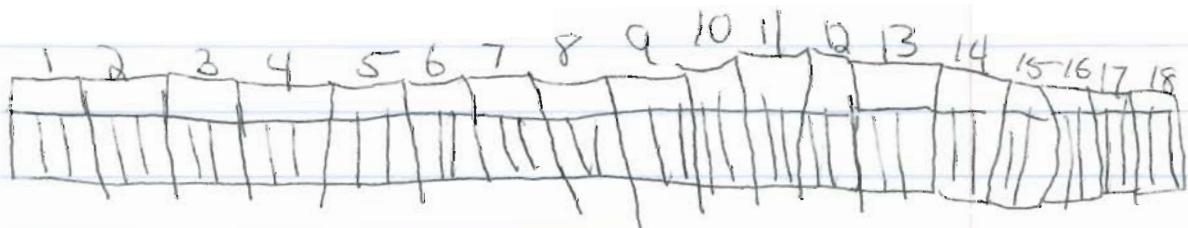
If I had 1 meter of ribbon and I divided it
in to 3rds and I took 1 away I would have
2/3's left.

answer: 18

Laura
Math

Dec. 15, 1993

You can make 18 bows out of $\frac{2}{3}$ of a meter.



The long lines divide 1 meter from another. The short lines are the $\frac{1}{3}$'s

Answer: 18

Math

Brian C [REDACTED]

[REDACTED]
Dec 6, 1993

How many [REDACTED] $\frac{2}{3}$ meter bows
can you make with 12 meters?

$$12 \div 2/3 = \frac{3}{2} * \frac{12}{1} = 18$$

18



Andrew
Math

December 15, 1993

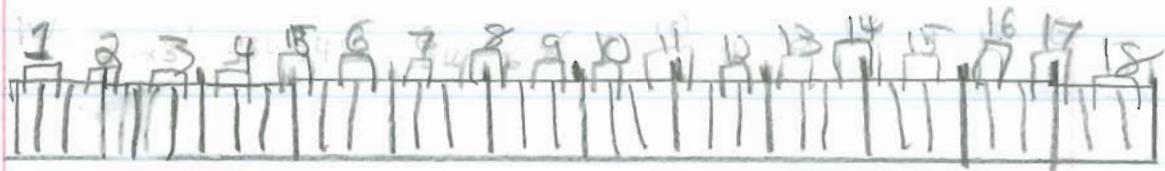
Yesterday with James in
math class ~~we~~ we tried to
put 3, 6 or 12 meters into $\frac{1}{3}$.
James and I ~~tried to put~~ tried to put
12 into $\frac{1}{3}$ of a meter. James
and I kept getting different
answers until ~~the~~ when Alan
gave the right answer to
the class 18 $\frac{2}{3}$.

Turn to next page for
diagram.

Erik [REDACTED]
Math

12/15/93

Key
[REDACTED]
□ = Bracket
for $\frac{2}{3}$.
1 1 whole



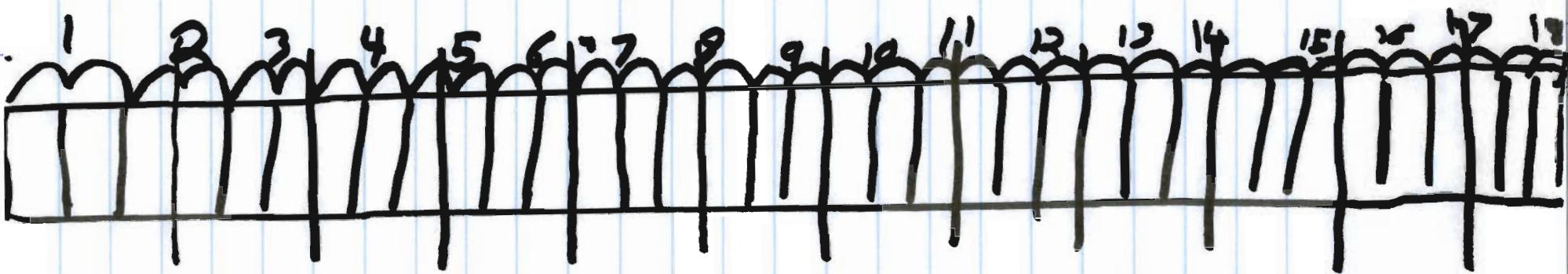
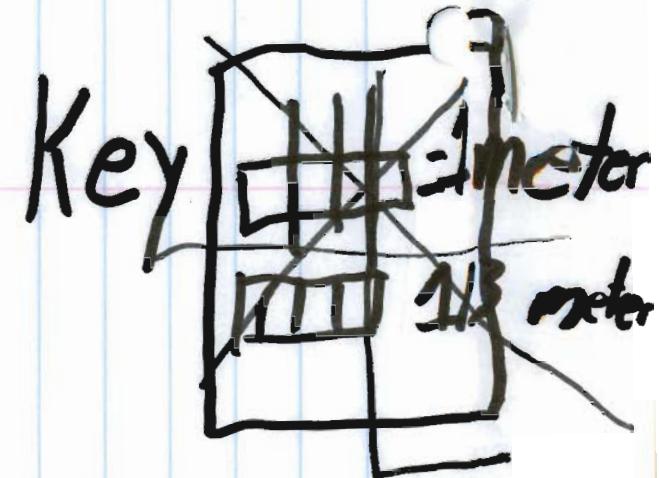
There are 18 $\frac{2}{3}$'s.

Andrew



Key | 1 meter

| $\frac{1}{3}$ meter



18

Brian Fl

Dec. 15

1)

$$\underline{\text{L L L L L L L L L L L L L L L L}} = 12 \text{ m}$$

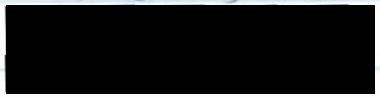
I split the 12m into $\frac{1}{3}$. Each m is split in $\frac{1}{3}$.



18 bows

Laura
Math

Dec. 15, 1993



12 m. 1. $\frac{1}{2}$ meter bows - 24 bows

~~BT~~ ~~67~~
~~ED~~ ~~EX~~
~~BB~~ ~~DC~~

12 m. 2. 2 meter bows - 6 bows

12 m. 3. $\frac{1}{3}$ meter bows - 36 bows

12 m. 4. 6 meter bows - 2 bows

12 m. 5. $\frac{2}{3}$ meter bows - 18 bows



C

supraventricular

equilibrium

venous & arterial

stasis

mixed Pv - mixed venous $\frac{1}{2}$ L.m.BI

Q

X3

36

A

X3

~~36~~

mixed A - mixed venous $\frac{1}{2}$ B.m.BI

mixed AE - mixed venous $\frac{1}{2}$ C.m.BI

mixed R - mixed venous $\frac{1}{2}$ D.m.BI

mixed BI - mixed venous $\frac{1}{2}$ E.m.BI

C

C

RIBBONS + BOWS

$$9 \div \frac{1}{3} = \underline{9 \times 3} = 27.$$

- 1) Counting
- 2) $9 \times 3 = 27$
- 3)
$$\begin{array}{r} 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ \hline 27 \end{array}$$

3 } ,
3 } ,
3 } ,
3 } ,
3 }

9 metres

3 metre laws

1) $9 \div 3 = 3$

2)

$$\begin{array}{r} 3 \\ 3 \sqrt{3} \\ \hline 3 \\ \hline 9 \end{array}$$

12 metres

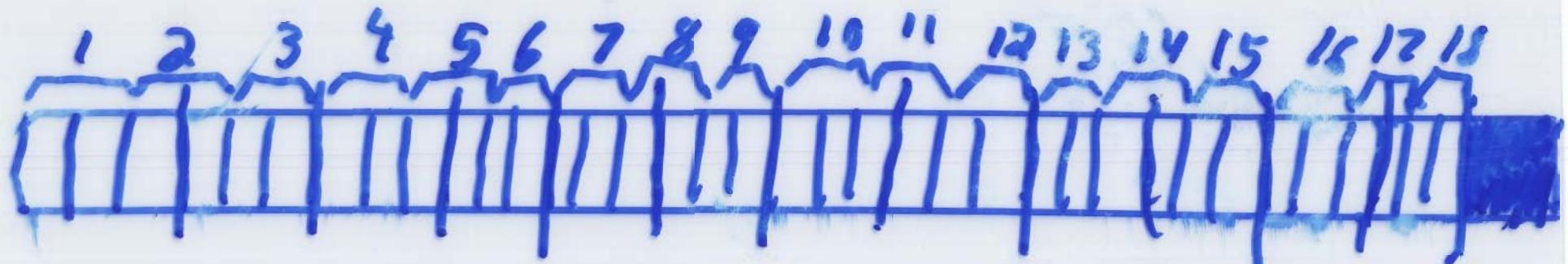
$\frac{1}{2}$ metre laws

2 metre laws

$\frac{1}{3}$ metre laws

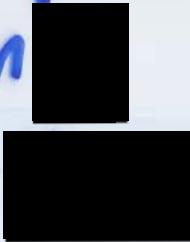
$\frac{6}{7}$ metre laws

$\frac{3}{7}$ metre laws

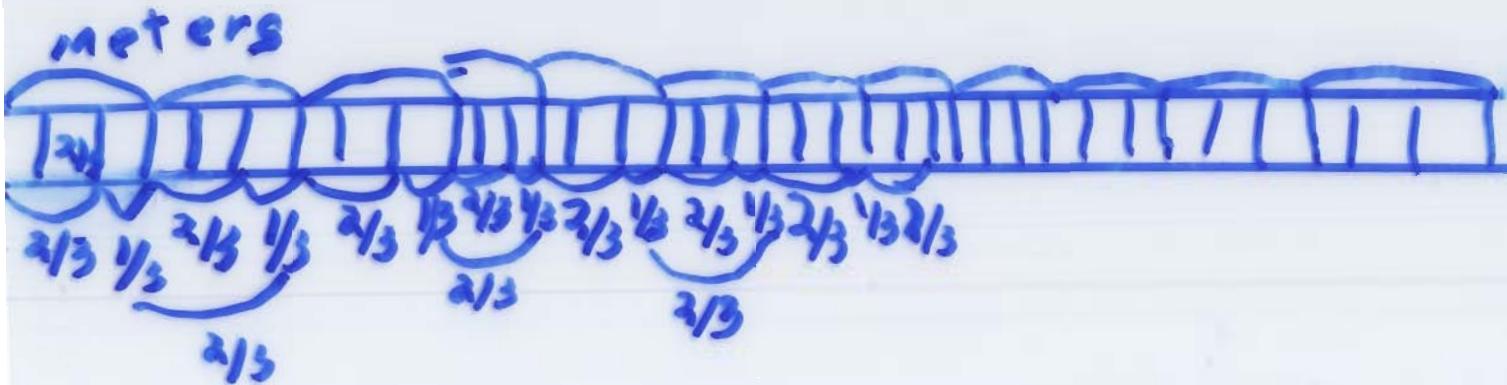


18

Alan
Kim



Michael



Jackie



Picture this as 12 meters

$$\textcircled{1} \textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{9} \textcircled{10} \textcircled{11} \textcircled{12}$$
$$12 \times 2 = 24$$



Picture this a 12
meter

$$\frac{1}{2} + \frac{1}{2} = 1 \text{ whole}$$

$$\frac{1}{2} + \frac{1}{2} = 1 \text{ whole}$$

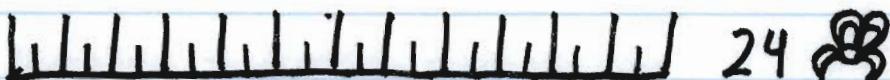
6 1 wholes

I added $\frac{1}{2}$ 12 times

Brian F [REDACTED]

Dec. 15

①



24



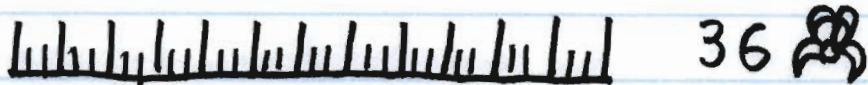
②



6



③



36



④



2



⑤



18



12 m =

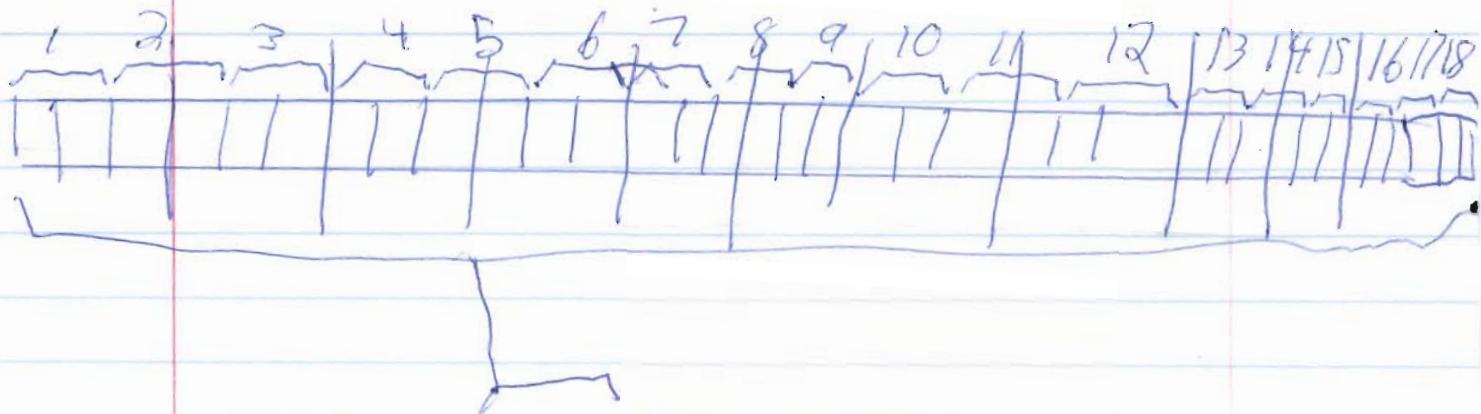


1 bow =



Alan

Dec. 15, 1997



The 12 meters are the diagram.
The dark, long line separates the
meters. The lines inbetween the meter
dividers, are the $\frac{1}{3}$ s. The brackets
show $\frac{2}{3}$ s. Count the brackets
and you get 18.

Erik [REDACTED]
Math

12/15/13

$\frac{1}{2}$ Meter = 24 bows
 $\frac{1}{2}$ bow

2 Meter bows = 6
with ~~$\frac{1}{2}$ Meter~~ ribbon

$$\cancel{2 \times 12 = 24}$$

12 meter ribbon

$\frac{1}{3}$ is a bow.

How many bows = 36 bows

6 meter bows

How many bows = 2 bows

$\frac{2}{3}$ meter bows =

at out of 12 meter ribbon

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

Dave

you multiply them $\frac{1}{2}$ and divide them

$$2 \times 12 = 24 \text{ 12 meters}$$

$\frac{1}{2}$ is a bow
24 bows

~~1 2 3 4 5 6 7 8 9 10 11 12~~ ~~12 meters~~

~~6~~ ~~12~~ 12 meters

$$12 \div 2 = 6 \quad 2 \text{ meters is a bow} \quad 6 \text{ bows}$$

$$12 + 12 = 24$$

$3 \times 12 = 36$ $\frac{1}{3}$ is a bow
 36 bows

in 2w

~~3 4 5 6 7 8 9~~
~~12~~
~~12~~ $12 \div 6 = 2$

12 meters
6 is a bow
2 bows

111

