

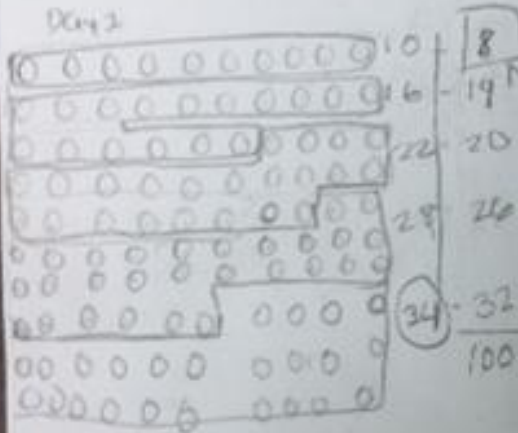
Jessica

Name: Jessica [redacted]

Cookie Problem

Directions: Solve the following problem in any manner that you choose. Please include the full solution below along with an explanation of your solution.

Tim ate 100 cookies in 5 days. Each day he ate 6 more than the day before. How many cookies did he eat on the first day?



$100 \div 5 = 20$ extra cookies each day

I subtracted 2 cookies of my previous answers because the first time I added all the #'s I ended up w/ 10 extra cookies.

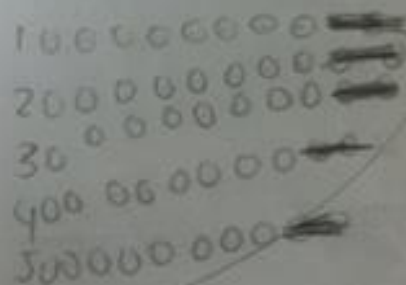
10 Day 1
+ 14 Day 2

24
+ 22 Day 3

46
+ 28 Day 4

74
+ 34 Day 5

110 ←



Ambrose

Name Ambrose [REDACTED]

Cookie Problem

Directions: Solve the following problem in any manner that you choose. Please include the full solution below along with an explanation of your solution.

Tim ate 100 cookies in 5 days. Each day he ate 6 more than the day before. How many cookies did he eat on the first day?

$100 \div 5 = 20$ If he were to eat 20 in 5 days
It would equal 100.
 $6 \times 5 = 30$ 30 additional cookies in 5 days
 $100 - 30 = 70$ how many cookies he would have eaten
if he never added the 6's
 $70 \div 5 = 14$ Therefore he probably ate 14 on the
first day

14 day 1
20 day 2
26 day 3
32 day 4
38 day 5

130

7
13
14
25
31

95

8
14
20
26
32

100

Started
with
8

Monica

Name Monica

Cookie Problem

Directions: Solve the following problem in any manner that you choose. Please include the full solution below along with an explanation of your solution.

Tim ate 100 cookies in 5 days. Each day he ate 6 more than the day before. How many cookies did he eat on the first day?

$$6 \quad 1N + 6N + 6N + 6N + 6N = 100$$

$$\begin{array}{r} 25N = 100 \\ 25 \quad 25 \end{array}$$

$$N = 4$$

$$\begin{array}{r} 6N = 6 \cdot 4 = 24 \\ \times 4 \\ \hline 96 \\ + 4 \\ \hline 100 \end{array}$$

Attiba

The Cookie Problem

Guess And Check

Todd ate one hundred cookies in five days. Each day he ate six more than he did the day before. How many cookies did he eat on the first day?

$$\begin{array}{r} 100 = 5n + 6 \\ - 6 \quad 5 \\ \hline 94 \end{array}$$
$$\begin{array}{r} 100 = 5n \\ - 6 \\ \hline 94 = 5n \end{array}$$

$$\begin{array}{r} 100 = 5n + n \\ - 30 \quad 30 \\ \hline 70 = n \end{array}$$

HE ATE TEN COOKIES ON THE 1st day

$$\begin{array}{r} 100 = 5n + 6n \\ - 5 \quad 6 \\ \hline 95 \end{array}$$
$$100 = 5n$$
$$\begin{array}{r} 5n = 100 + \frac{6n}{6} \\ 100 = 100 + \frac{6n}{6} \\ \frac{95n}{6} \end{array}$$

EVILNT STRIKES

Attiba Cont'd

$$100 = 5 \text{ days}$$

M T W T F
 6 12 18 24 30

$$100 = 5 \text{ days} + 36$$

$$\begin{array}{r} 12 \\ + 6 \\ \hline 18 \\ + 12 \\ \hline 30 \\ + 18 \\ \hline 48 \\ + 24 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 10 \\ + 6 \\ \hline 16 \\ + 18 \\ \hline 34 \\ + 12 \\ \hline 46 \\ + 24 \\ \hline 70 \\ + 30 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 50 \\ + 6 \\ \hline 56 \\ + 12 \\ \hline 68 \\ + 18 \\ \hline 86 \end{array}$$

$$\begin{array}{r} 36 \\ + 6 \\ \hline 42 \\ + 12 \\ \hline 54 \\ + 18 \\ \hline 72 \\ + 24 \\ \hline 96 \end{array}$$

100

Kailin

The Cookie Problem

Todd ate one hundred cookies in five days. Each day he ate six more than he did the day before. How many cookies did he eat on the first day?

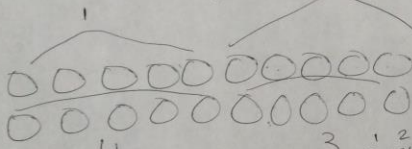
100 cookies 5 days M T W T F
 He ate 6 more than the day before

$$8 + 5 \times 6 = 100$$

$$\begin{array}{r} +6 \\ 12 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6x \div 5 = 100 \\ 5 \quad 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 20 + 6x = 100 \\ 20 \quad 20 \\ \hline 6x \quad 80 \\ 6 \quad 6 \\ \hline x = 20 \end{array}$$



$$\begin{array}{r} 12345 \\ 1314304872 \end{array}$$

$$\begin{array}{r} MTWTF = 100 \\ 26 \\ \hline 74 \end{array}$$

$$\begin{array}{r} 26 \\ 5 \overline{) 130} \\ \underline{10} \\ 30 \\ \underline{25} \\ 50 \\ \underline{50} \\ 0 \end{array}$$

$$\begin{array}{r} 12345 \\ 210 \text{ to } 100 \end{array}$$

$$\begin{array}{r} 6x5 = 100 \\ 1.5 \quad 25 \\ \hline 23 \quad 20 \\ \hline 120 \end{array}$$

M T W T F
 6 6 6 6 6
 6 6 6 6
 6 6 6
 6 6
 6

$$6 \times 5 = 100$$

$$5 \times 60 = 100$$

$$\begin{array}{r} -60 -60 \\ \hline 50 = 40 \\ 5 \quad 5 \quad 0 = 8 \end{array}$$

6 12 18 24 30
 12 18 24 30 36

12
 +2
 14
 20
 26
 32

8 Friday
 72
 72
 84
 90
 100

36

30

66

74

90

18

1

$$\begin{array}{r} 6 \times 5 = 100 \\ 2 \quad 5 \\ \hline 6 \quad 75 \\ \hline 6 \end{array}$$

Jean

five day

5000

Monday	Tuesday	Wednesday	Thursday	Friday	
100 c	100 c	100 c	100 c	100 c	= 500
20	20	20	20	20	100
8	14	20	26	32	+26
10	16	22	28	34	116
	10				10
126	16	148			+40
100	26	20			100
18	22	26			
36	48	32			
+24	+28	100			
60	76				
+30	+34				
90	110				

90