

6 Look at the number under column A

80 we 101 8 = R5 01 A B C D 96 95 94 93 97 98 99 100 wool D 101

Formula:

$$(1+b)b = 7f$$

Solve for b:

 $(1+b)b = 156$ 
 $b+b^2 = 156$ 

rewrite:  $b^2+b-156=0$ 

use factoring:

 $(or quod formula) (b-12)(b+13)=0$ 

Aten 12th stop

b=12 or +3

7x52+1 = 364+0=365

If soth were Saturday

If 30th were Saturday

Then 24, 14, 10, 3 are so.

If 30th were sunday

Then 30, 23, 16, 9, 2

Then 29, (29-9), 22-7, 15-7, 8-7

= 22 = 15 = 8 = 1 are Sundays (5 Sundays)

If 30th were These, then 28, 21, 14, 7 are sundays

Since there are exactly 4 sundays, June 30th coold not

foll on a Sundayor Monday.

Every 24 hours will give the sometime: So  $\frac{1000}{24} = R$ ?

Since  $\frac{1000}{24} = R \cdot 16$ , 2pm + 12 hours = 2 AM 24m + 4hours = 6 AM

(8) 
$$\frac{3}{10} \frac{14}{200}$$
 $\frac{10}{17} \frac{200}{310}$ 
 $\frac{3}{17} \frac{14}{310}$ 
 $\frac{3}{17} \frac{1}{370}$ 
 $\frac{3}{17} \frac{1}{17} \frac{1}{17$ 

2 types of tables 30 tables total > 2-people & 5 people Cet X=2-people table X+y=30 (tobles) y = 5 - people table 2X+59=81, people people solve for X &y: (X+4=30)(2) 2X+59=81 48 X+y = 3 0 € L) -2x-2y=-607 use eddition X+7=30 [2X+59=8] X = 23 2-people table 34=21 or use that \(\xi\) eror (tables) to solve

1st 2nd 3rd 4th 5th W + W + 2 + W + 4 + W + 6 + W + 8 = 65 20 + 5W = 65 5W = 45 W = 45