



Pancake Tips

Louis Starts by eating 1 pancake.

(Total 1)

Louis Eats twice as many (2 pancakes) after the next 10 minutes.

(Total $1 + 2 = 3$)

Louis Eats twice as many (4 pancakes) after the next 10 minutes.

(Total $1 + 2 + 4 = 7$)

Chart starts like this:

| Time | Pancakes | Total Eaten |
|--------|----------|-------------|
| 0 | 1 | 1 |
| 10 | 2 | 3 |
| 20 | 4 | 7 |
| 30 | 8 | 15 |
| 40 | 16 | 31 |
| 50 | etc | etc |
| 1 hour | | |
| 70 | | |

Some checkpoints:

At 2 hrs he eats 4096 for a total of 8191

At 3 hrs he eats 262144 for a total of 524287

At 4 hrs he eats 167772** for a total of 335544**

*=unknown digits...you find out!

<<< Don't want to add? Find the pattern >>>