

OVERVIEW:

Jigsaw, real name John Kramer, is the primary antagonist of the “Saw” series, which spans multiple films, video games, and a short comic. This document will cover Kramer’s showings in the comic, detailing the learning ability (LA) Kramer had displayed in the short work. The following list will contain a guide as to the types of content this doc will cover in the form of color coding —>

WHITE — *Completely valid portion of the feat*
YELLOW — *Proof/evidence of scaling*
BLUE — *Interpretations/unconfirmed portions of the feat*
GREEN — *Section headers*
RED — *Categories shown*

CREDITS: @BITTUS (on discord)

CONTEXTUAL TIMEFRAME:

[**NOTE —** This section will cover an **interpretation** based upon implications and inferences from the story in order to produce a timeframe for this feat. As Saw does NOT have a canonical timeframe or date, it is impossible to infer any duration outside of the one listed here. Keep this in mind when reading this section]

Before delving into the content of the feat itself, an idea must be formed of the exact timeframe in which this feat was performed. Kramer himself stated in the comic that he "discarded sleep" and "neglected meals". There are two statements from Kramer pointing to the idea he slept little to none during the timeframe, those statements being —>

1. "**I discarded sleep**" — *According to the Merriam Webster dictionary, discarded means to to get rid of especially as useless or unwanted.*
2. "**The hours I didn't spend puking with my guts on fire were consumed by planning**" — *This implies Kramer didn't dedicate any remaining time to sleep, even if he did sleep, it would've had to be under an hour each day given the statement, which would still result in immense sleep deprivation.*

With these two statements taken into account (showing a doubly reinforced narrative), it's heavily implied Kramer slept almost no time at all during the timeframe. With this, we can reasonably conclude how long the duration actually was by utilizing the law of human anatomy.

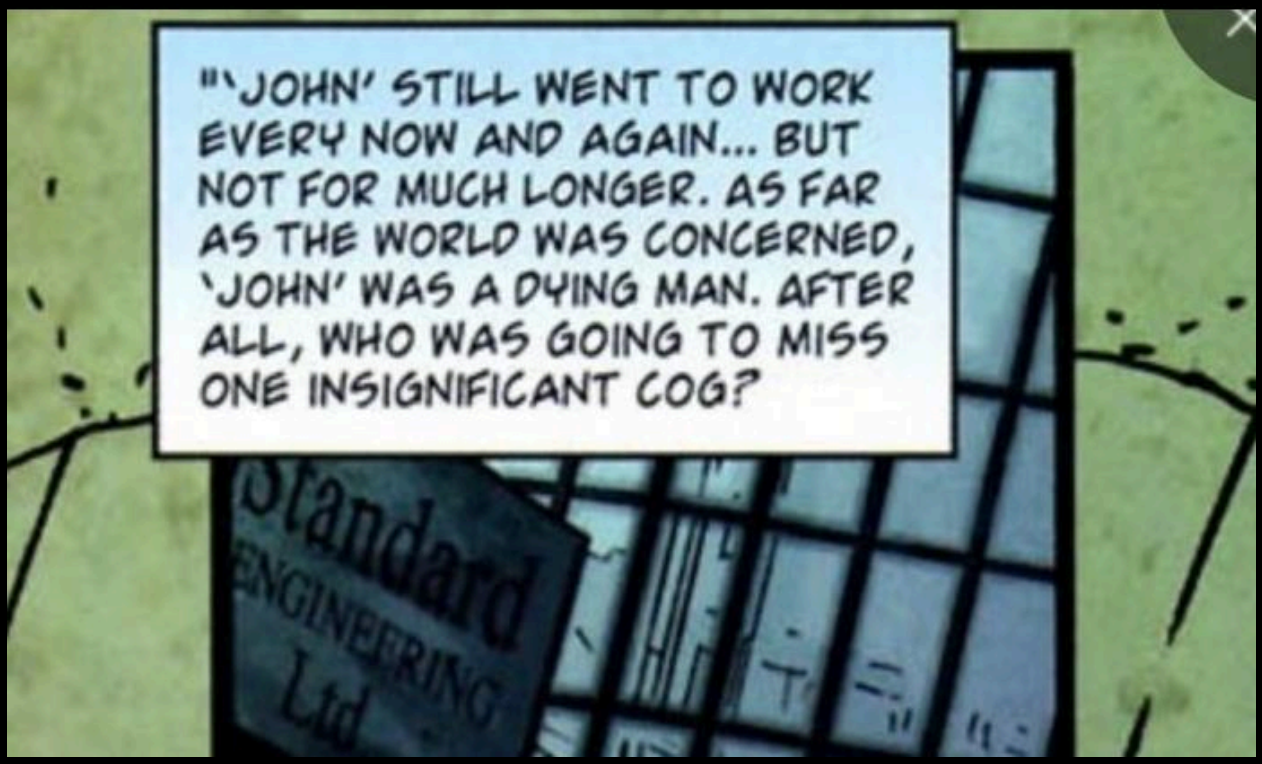




According to Guinness World Records (which has been recording the longest duration a human has gone without sleep since the 1950s), there seems to be a barrier preventing any recorded human from reaching **19 consecutive days without sleep**. If we use the highest estimate of about **18 days** for the duration Kramer went without sleep (supplying the longest timeframe possible for the feat), we can utilize this information to do more precise calculations in relation to the information he absorbed during this time. (**Source —>** https://www.guinnessworldrecords.com/news/2023/1/whats-the-limit-to-how-long-a-human-can-stay-awake-733188).

Now, does this estimate align with other data we know of Kramer's state at the time? As stated previously, Kramer had skipped multiple meals everyday for this duration. Even if we conclude he ate absolutely nothing (which likely isn't true), Healthline states that the average human may survive **8 to 21 days without food or water** (this figure was taken from records of previous instances of humans attempting to survive without food or water). This lines up very well with our previous estimate of about 18 days, being just under the maximum of 21 days given by the data. Given that Kramer likely did eat a couple meals during this timeframe, and the absolute

starvation data given by Healthline even at the lowest would fit our estimate of 18 days, it's reasonable to conclude that Kramer's lack of eating at any level wouldn't affect the given 18 day figure. (**Source —>** https://www.healthline.com/health/food-nutrition/how-long-can-you-live-without-food)
Finally, we are given one final statement from Kramer in the comic that may point to how long the timeframe was. It was stated Kramer still went to work once in a while during the duration, meaning it had been a large enough timeframe to encompass enough days to comprise a pool great enough for a fraction of it being spent at work. A perfect timeframe of this would indeed be the previous 18 day estimate, as it would supply Kramer enough days to only show up to work for a fraction of them (perhaps one or two days every week, which would total around five total days at work during the 18 days, which matches the statement very well) whilst still granting him enough time to consume the information he did.



Even if the 18 day figure is discredited, Kramer still stated he spent bare minimum **hours** vomiting and still **went to work once in a while**, further narrowing the timeframe regardless of the inference's narrative standing.

So with all the information gathered and statistics compiled, a reasonable estimate of 18 days at the most would fit all three statement requirements given by the narrative and would also fit the biological maximum output the human body can exert. By granting Kramer a timeframe of 18 days at the

most, we are given a conservative calculation of the information absorbed due to selecting the highest possible amount of time Kramer could've had to complete such a feat.

INFORMATION ABSORBED:

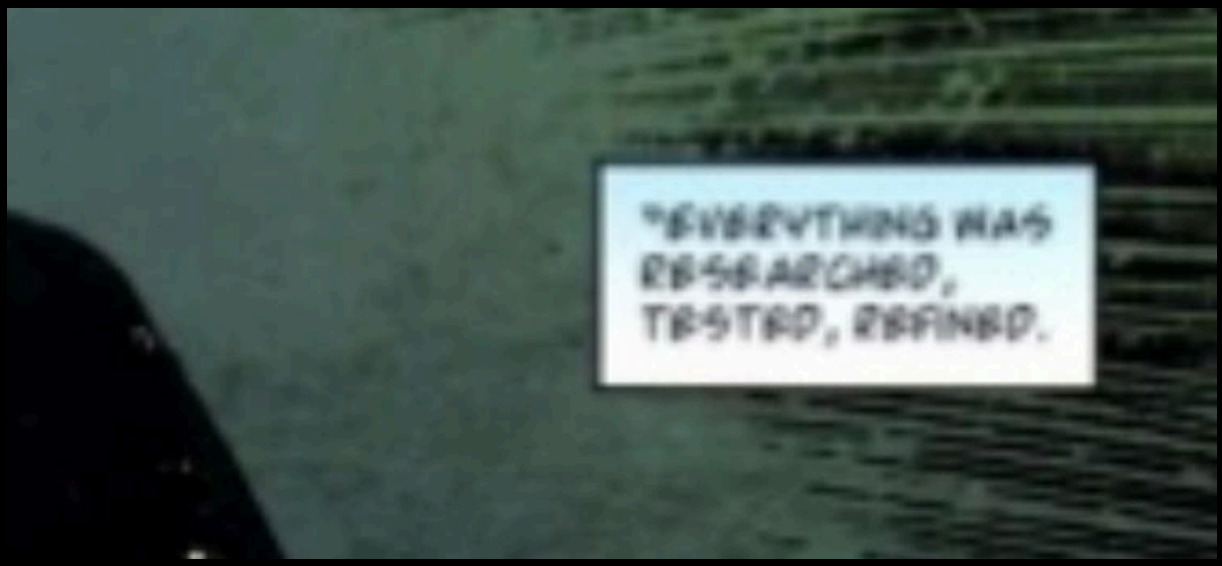
Before beginning, it's worth noting Kramer worked at a toy factory before undergoing his immense studying. This shows how he had almost zero real knowledge in any field before the feat took place, solidifying its validity. In the comic, it's shown that Kramer studies a wide range of subjects in the 18 day timeframe (or simply a short duration). Kramer himself states he absorbed a "vast" amount of knowledge in various fields, implying a great value of understanding absorbed for each subject (it is also stated everything was researched, tested, and refined). In the comic itself, we were shown multiple of the exact subjects he educated himself on via books. Off the subjects the books covered we see alone, we can conclude Kramer had absorbed knowledge from the following subjects —>

- **Botany** (studying a book detailing Dionaeo muscipula plants. It is confirmed he genuinely studied this as we are given a direct panel of him studying it).
- **English** (the uppermost book seems to state English contents).
- **Cartography** (seen with a book containing the study of maps. It is proven that he studied this subject as he would've needed this knowledge in the first film to map out the underground bathroom, which itself is a labyrinth of hallways, and the trial in general).
- **Visual-Effects** (the lowermost book seems to be detailing some subject based around visuals. This subject is proven to have been studied by Kramer as in the first film he evidently had knowledge of it via distorting audio to untraceable levels, manipulating footage, and professional makeup skills).
- **Mathematics** (Kramer is shown reading a book based upon mathematics. This one is confirmed to have been learned by Kramer as we are given a panel of him studying it and engineering in general hinges upon mathematics).
- **Medicine** (an obscured book seems to be revolving around the study of poison, a trait commonly seen in medicinal practices. This subject was proven to be learned by Kramer via his ability to administer poison to Zepp in the first film that had no known curable cure, a cure only Kramer had uncovered).

Assuming Kramer spent an equal amount of time on every subject throughout the 18 days (supported as no subject was shown to have had a repeated book, narratively implying each subject was studied equally. We can reasonably assume Kramer spent three days on average studying each subject dividing his days equally among the six subjects). Kramer stated **EVERYTHING** was researched, tested, and refined. This points to the idea each subject was dwelled upon deeply, and thus equally distributed within the timeframe. This also implies every subject was equally absorbed, meaning each subject's complexity and quality matched each other. Given the fact we know Kramer's engineering skills (deriving from his mathematical studying) is at advanced level due to the fact the comic isn't a new continuation and simply

a backstory for Kramer, he should have the same level of engineering skills regardless of adaptation (which is proven as we later see comics Kramer construct the exact same device/mechanism as films Kramer). His engineering skills were shown to be at the level of a **professional civil engineer**, showing advanced skills in the subject (and thus the rest of them due to the previously inferred equality).





INTERPRETATION CALCULATION: Kramer, in the film series, is a professional civil engineer and architect. Disregarding work experience on a lowball, becoming a civil engineer typically requires **4-6 years of education.** Assuming the comics version and the films version of Kramer both have the same level of engineering skill (supported as the comic was supposed to simply be a backstory for Kramer, not a new continuity and also the fact both iterations created the same mechanism), implying Kramer had absorbed this knowledge in the 18 day timeframe, Assuming his engineering prowess was derived from the mathematics he studied, and he spent an equal amount of time on every subject throughout the 18 days (as no subject had a repeated book. This isn't to say each subject only had one book, but they were all portrayed as narratively equal and proven to be learned by Kramer in the first film

via representation), we can reasonably assume Kramer spent three days on average studying each subject. Given the logical equal distribution of each subject, Kramer had processed and applied this information roughly **487-730 times faster** than the average person (via 4-6 years of educational value Kramer learned and applied in the span of these three days).

[**NOTE** — Given the inferred figure of 18 days it's difficult to confirm this as absolutely true, keep this in mind as this only a well-based interpretation for his cognitive abilities]

(**Source** —> How Long Does It Take to Become a Civil Engineer? | Miami Heraldhttps://www.miamiherald.com/careers-education/how-long-does-it-take-to-become-a-civil-engineer/).



ADVERSITY:

Kramer, whilst performing this feat, faced an immense amount of adversities. For one, Kramer was stated to have been diagnosed with terminal brain cancer. This sort of diagnosis can lead to the following health complications —>

(**Source** — braintumor.org) —>

- Headaches
- Seizures
- Difficulty thinking, speaking, or finding words
- Changes in personality or behavior
- Weakness, numbness, or loss of movement in one part or one side of the body
- Difficulty with balance or dizziness
- Sensory changes like difficulty hearing, difficulty seeing, or loss of smell
- Memory loss
- Confusion in everyday matters or disorientation
- Unexplained nausea or vomiting
- Fatigue or muscle weakness



Next, Kramer later stated he had discarded sleep and neglected meals for the 18 day period, meaning he was suffering some sleep deprivation and starvation. Sleep deprivation can result in the following effects on the human body —> (**Source —>** https://www.aurorahealthcare.org/services/sleep-disorders/sleep-deprivation)

- **Excessive fatigue**: Constant tiredness and lack of energy throughout the day.
- **Concentration problems**: Difficulty focusing on tasks, thinking clearly, poor memory or impaired judgment.
- **Mood instability**: Increased irritability, anxiety and symptoms of depression.
- **Physical symptoms**: Frequent headaches, weakened immune response, increased risk of heart disease, weight gain and recurrent illnesses.
- **Sleep disturbances**: Trouble falling asleep, staying asleep, or waking up feeling unrested.

- **Decreased performance**: Reduced productivity, increased errors and a higher likelihood of accidents, particularly in high-risk activities like driving.

Starvation, on the other hand, provides its own plethora of physical disadvantages. The following is a list of possible outcomes of extreme starvation —> (**Source** —> https://withinhealth.com/learn/articles/signs-and-symptoms-of-starvation)

- Chronic fatigue
- Mental fogginess or trouble concentrating
- Always feeling cold or getting the chills easily
- Slower healing times around sickness and injury
- Depression
- Anxiety
- Irritability
- Trouble sleeping or insomnia
- A loss of interest in food



Kramer, before the 18 day period was given, had attempted to take his own life and was suffering from chronic depression. His girlfriend had left him merely days/weeks prior and he described his mood as "helpless" or "worthless", meaning he needed to work through and manage these emotions to continue his work. Kramer was obviously experiencing deep clinical depression and managed to overcome it in the process of his information absorbing. Chronic depression in general can cause the following conditions —> (**Source** —> https://www.mayoclinic.org/diseases-conditions/depression/symptoms-causes/syc-20356007?utm_source=Google&utm_medium=abstract&utm_content=Major-depression&utm_campaign=Knowledge-panel)

- Feelings of sadness, tearfulness, emptiness or hopelessness
- Angry outbursts, irritability or frustration, even over small matters

- Loss of interest or pleasure in most or all normal activities, such as sex, hobbies or sports
- Sleep disturbances, including insomnia or sleeping too much
- Tiredness and lack of energy, so even small tasks take extra effort
- Reduced appetite and weight loss or increased cravings for food and weight gain
- Anxiety, agitation or restlessness
- Slowed thinking, speaking or body movements
- Feelings of worthlessness or guilt, fixating on past failures or self-blame
- Trouble thinking, concentrating, making decisions and remembering things
- Frequent or recurrent thoughts of death, su*cidal thoughts, su*cide attempts or su*cide
- Unexplained physical problems, such as back pain or headaches



Finally, Kramer has stated he spent hours of every day violently vomiting. This points to the idea that his already short time span was further hindered by these instances, and Kramer had to persevere through them in order to continue his goal. Not only this, it's also stated that Kramer still went to work once in a

while during this duration, meaning he balanced a shortened work life with the other adversities occurring at the same time, his career possibly hindering the timeframe even more so.



CATHARSIS/SUMMARY:

(Given the interpretation) within the span of 18 days, Kramer had absorbed and applied the information from six different advanced subjects at roughly **487-730 times** the speed it would take the average person to do so. During this time, Kramer struggled with **terminal brain cancer**, **sleep deprivation**, **starvation**, **chronic depression**, **violent vomiting for hours everyday**, **su*cidal tendencies,** and **went to work occasionally** as well. Kramer balanced all of these adversities with his information adsorption, showcasing an extremely high level of overall learning ability. Even if we disregard the 18 day figure (which was provided evidence for), Kramer still absorbed information from six advanced subjects in a short time whilst suffering **six different** adversities, all incredibly hindering his physical and mental attributes.

[**NOTE —** The 18 day figure and by extension the 487-730 times faster than the average person calculation are interpretations based upon inferences and implications of the story, at the bare minimum the feat still remains as Kramer absorbing the contents of six advanced subjects in a short timeframe whilst suffering from eight different adversities. The calculation was simply given as a well-based interpretation for exact scaling]

+ FSIQ —> **WMI** (memorized the contents of six advanced subjects in 18 days/a short duration of time), **PSI** (processed and applied the information at **487-730 times** the average human speed, or simply processed the content of six advanced subjects within a small timeframe), **CPI**, **VCI** (learned advanced English in roughly three days, or a short duration in general), **VSI** (learned advanced engineering in roughly three days, or a short timeframe, which requires deep visualizations), & **FRI**
+ INTELLIGENCE —> **FLUID** (gained the knowledge of six advanced subjects in 19 days/short timeframe), **CRYSTALLIZED** (knowledge of six advanced subjects), & **GENERAL**
+ (INTRA) EI —> **EM** (managed his own emotions to such a high degree, he was able to balance eight different advertises, one of which including chronic depression, in the name of maintaining rigorous studying), **EE** (engaged with his goal of learning past the point of his physical pain or mental degradation), & **ER** (actively acknowledged and described his depression and overall emotional state)
+ AC —> **COMPOSURE** (remained calm enough to go to work through his seven different adversities, which included depression, cancer, starvation, and sleep deprivation) **STRESS TOLERANCE** (tolerated the effects of cancer, starvation, sleep deprivation, and violent vomiting), **MENTAL FORTITUDE** (remained unwavered through the eight different adversities, describing himself as “liberated”), & **COGNITIVE DISCIPLINE** (disciplined himself to not require sleep or food during his learning process for 18 days at the most)