

SIGMA'S TREASURE TROVE: PART I

In the expansive Caribbean Sea lies an island shrouded in mystery and whispered tales of hidden treasures. Legend has it that centuries ago, a notorious pirate by the name of Captain Sigma Dreadnought the Merciless ruled these waters with an iron fist and a cunning mind. His exploits were renowned, and his treasure hoard was said to be unmatched in its riches. Generations passed, and the legend of Captain Dreadnought faded into obscurity, relegated to the realm of bedtime stories and sailor's yarns. Yet, unbeknownst to many, the captain's legacy endured through his descendants, safeguarding the secrets of his fabled treasure.

Two years ago, a curious letter arrived, stamped with the seal of Captain Sigma Dreadnought the Merciless, a distant relative. Inside, he unveiled tantalizing tales of a hidden island, where the secrets of his treasure awaited discovery.

Accompanying the letter was a weathered map, its edges worn with age, promising adventures and riches beyond imagination. Alongside these treasures, Sigma bestowed upon you a golden pirate medallion.

Fuelled by curiosity and the promise of untold wealth, you embarked on a journey to unravel the mysteries of Captain Dreadnought's legacy. However, your years of research since receiving the letter have yielded only paintings depicting Sigma's formidable crew, and his vast treasure.







$$y = -(1/5)(x+12) - 13$$

$$y = -(x+20)(x+20) - 4$$





CARLOS TRIGONOMI

Carlos Trigonomi, affectionately known as “Cactus Carlos” among the crew, serves as the ship’s botanist aboard Captain Bloqueado’s vessel. Hailing from the lush jungles of the Caribbean, Carlos’s affinity for plants traces back to his childhood, where he spent his days exploring the untamed wilderness and unraveling the mysteries of nature. With a background steeped in botanical knowledge, Carlos brings a unique skill set to the crew, capable of identifying rare flora and fauna that dot the landscape on their journey. On the path to the treasure lair, Carlos’s x-coordinate holds a cryptic clue: “An odd number, and only 2 positive divisors.” This mathematical riddle serves as a testament to Carlos’s intellect and analytical prowess, challenging the crew to unravel its meaning and unlock the secrets it holds. As the crew’s resident botanist and mathematician, Carlos is determined to solve the puzzle and guide them towards the coveted prize that awaits at journey’s end.

DAVY DECIMARO

Davy Decimaro, known as “Red Bandana Davy” among the crew, is a mysterious figure aboard Captain Bloqueado’s ship, distinguished by his enigmatic demeanor and unwavering loyalty to the captain’s cause. Born into the tumultuous world of piracy, Davy’s origins remain shrouded in secrecy, with whispers of his past echoing through the corridors of the ship. His stoic presence, accentuated by the ever-present blood-red bandana that adorns his head, sets him apart from his fellow crewmates and strikes fear into the hearts of their enemies. Whether navigating treacherous waters or engaging in fierce battles against rival pirates, Davy’s unwavering resolve and steadfast determination inspire trust and admiration among his comrades. On the path to the treasure lair, Davy’s x-coordinate holds a clue: “the biggest number.” This mysterious riddle serves as a challenge for the crew to decipher, hinting at the magnitude of the task that lies ahead. As they embark on their perilous journey, guided by Davy’s steady hand and unwavering resolve, they remain determined to unlock the secrets of the clue and claim the ultimate prize that awaits them at journey’s end.

BLACKBEARD BINARIO

Blackbeard Binario “Bellamy” is a seasoned member of Captain Bloqueado’s crew, renowned for his fearless demeanor and unwavering loyalty to the captain’s cause. Originating from the bustling ports of the Caribbean, Bellamy’s background is veiled in secrecy, with whispers of daring escapades echoing through the taverns of coastal towns. His imposing presence, marked by a rugged countenance etched with tales of maritime conquests, instills both respect and apprehension among his fellow crewmates. Adorned with a compass tattoo Bellamy carries a constant reminder of the crew’s mission—a directive never to lose sight of their ultimate goal under Captain Bloqueado’s command. His x -position on the path to the lair holds a unique trait: “It possesses exactly four positive divisors.” This mathematical peculiarity underscores Bellamy’s role as a vital navigator within the crew, ensuring they remain steadfast on their course despite the tempestuous seas and looming threats that await them on their journey under Captain Bloqueado’s leadership.

ANNE ALGORITHMARA

Anne Algorithmara, also known as “Stargazer Anne,” is a revered astronomer and navigator aboard Captain Bloqueado’s ship, revered for her keen intellect and unwavering determination in the face of adversity. Born under the starlit skies of the Caribbean, Anne’s fascination with the cosmos began at an early age, as she spent countless nights mapping constellations and unraveling the mysteries of the universe. Her striking appearance is marked by a series of intricate star tattoos adorning her arms and shoulders, each one a reminder of the celestial wonders that captivate her imagination. As the crew’s resident astronomer, Anne plays a pivotal role in guiding their journey through the treacherous seas, using her knowledge of the stars to chart their course with pinpoint accuracy. With a steady hand and unwavering focus, she navigates by the light of distant galaxies, ensuring that the crew stays on course despite the challenges that lie ahead. On the path to the treasure lair, Anne’s x-coordinate holds a cryptic clue: “It possesses four positive divisors and is a perfect cube”.

CATALYN CALCOSAIR

Catalyn Calcosair is a fiery and spirited member aboard Captain Bloqueado's ship. With her vibrant red hair flowing like flames in the wind, Catalyn cuts a striking figure on the deck of the vessel. Born and raised amidst the chaos of pirate life, Catalyn's fierce determination and unwavering loyalty to her crewmates have earned her respect and admiration from all who sail alongside her. Despite her youthful appearance, Catalyn possesses a keen intellect and sharp wit, capable of outsmarting even the most cunning of adversaries. Whether wielding a cutlass in battle or navigating through treacherous waters, she approaches every challenge with courage and determination, inspiring those around her to rise to the occasion. On the path to the treasure lair, Catalyn's x-coordinate holds a cryptic clue: "the only number with a single factor."

PARABOLA “PETE” PETERSON

Parabola “Pete” Peterson, affectionately known as “Pear Pete” among the crew, is a jovial and resourceful member aboard Captain Bloqueado’s ship.

With a penchant for mathematics and a deep-seated fear of scurvy, Pete brings a unique blend of intellect and practicality to the crew. His most distinguishing feature is a tattoo of a ripe fruit, serving as a constant reminder to consume vitamin C and avoid the perils of scurvy during their long voyages at sea.

Despite his lighthearted demeanor, Pete’s expertise in navigation and seamanship is second to none. With a keen eye for detail and a knack for solving complex problems, he plays a crucial role in charting the ship’s course and guiding them safely through treacherous waters.

On the path to the treasure lair, Pete’s x-coordinate holds a cryptic clue: “It possesses three positive divisors.”

GERRY GEOMAR “GIBBS”

Gerry Geomar, fondly referred to as “Gibbs” by his crewmates, is a seasoned sailor aboard Captain Bloqueado’s ship. With his distinctive bold yellow hat perched atop his head, Gibbs cuts a memorable figure on the deck of the vessel. Born into a life of piracy, Gibbs’ rugged appearance and weather-beaten features tell the tale of countless adventures on the high seas.

Despite his gruff exterior, Gibbs is known for his unwavering loyalty and steadfast commitment to the crew. Whether repairing sails or manning the helm, he approaches every task with a sense of purpose and determination, earning the respect of his fellow sailors in the process.

On the path to the treasure lair, Gibbs’ x-coordinate holds a cryptic clue: “The same as Pearson’s, but positive.” This riddle serves as a challenge for the crew to unravel, hinting at the connection between Gibbs’ position and that of his fellow crewmate, Pearson.

RADIAN “RAD” RACKHAM

Radian Rackham, known for his wind-swept hair and disdain for hats, stands as a free-spirited navigator aboard Captain Bloqueado's ship. Born to the sea, Radian's love for adventure and the open ocean is matched only by his unwavering loyalty to his crewmates. With his tousled locks billowing in the breeze, he cuts a striking figure on the deck, embodying the spirit of freedom and exploration that defines the life of a pirate. Despite his carefree appearance, Radian possesses a keen intellect and sharp instincts, making him a valuable asset to the crew. Whether steering the ship through treacherous waters or navigating by the stars, his expertise in seamanship is unmatched, guiding the crew safely through even the most perilous of voyages. On the path to the treasure lair, Radian's x-coordinate holds a cryptic clue: “It possesses six positive divisors.”

PRIME PEARSON

Prime Pearson, the sole clean-shaven member among Captain Bloqueado's crew, stands out with his immaculate appearance and sharp wit. With a face devoid of facial hair, Pearson exudes an air of sophistication and refinement amidst the rugged backdrop of pirate life. Born into a world of chaos and adventure, Pearson's calm demeanor and keen intellect make him a valuable asset to the crew. Despite his polished exterior, Pearson is no stranger to the perils of life at sea. With a keen eye for detail and a knack for strategy, he plays a crucial role in navigating the treacherous waters and outsmarting rival pirates at every turn. Whether plotting their course or negotiating with potential allies, Pearson's leadership and expertise are instrumental in ensuring the crew's success. On the path to the treasure lair, Pearson's x-coordinate holds a cryptic clue: "less than zero and the only even prime number."