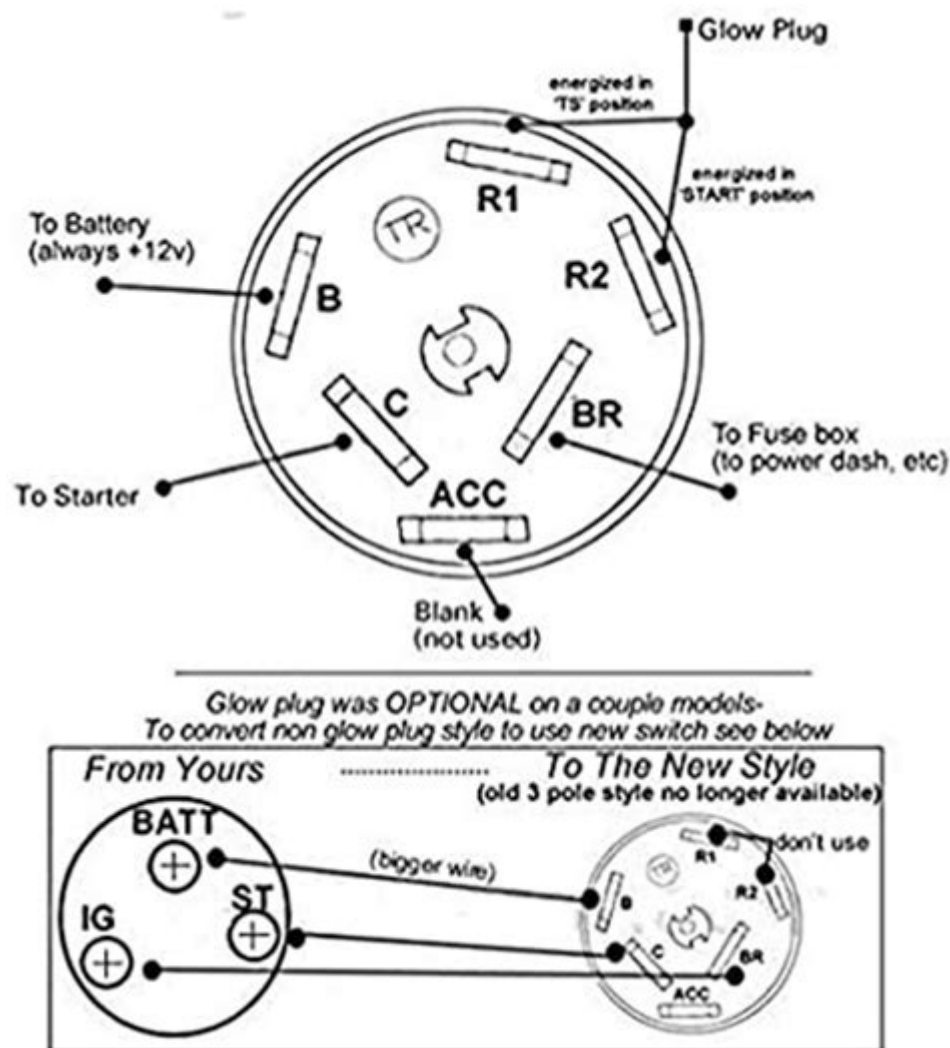


6 Prong Lawn Mower Ignition Switch Wiring Diagram



6-Prong Lawn Mower Ignition Switch Wiring Diagram: A Troubleshooting Guide

Are you battling a frustratingly stubborn lawnmower that refuses to start? The culprit might be your ignition switch. Understanding the wiring diagram of your 6-prong lawn mower ignition switch is crucial for troubleshooting and repair. This comprehensive guide provides a detailed breakdown of common 6-prong switch configurations, troubleshooting tips, and step-by-step instructions to help you get your mower back in action. We'll delve into the specifics of identifying wires, deciphering the diagram, and tackling common ignition switch problems. Let's get started!

Understanding Your 6-Prong Lawn Mower Ignition Switch

Before jumping into wiring diagrams, it's essential to understand the general function of a lawn mower ignition switch. It acts as the central control unit, managing the flow of power to the engine's starting components. The six prongs represent various electrical circuits within the system. While the exact configuration can vary slightly between brands and models, common functions include:

Power (Battery): Provides the primary power source from the battery.

Start (Starter Motor): Completes the circuit to engage the starter motor.

Ignition Coil: Delivers power to the ignition coil, responsible for creating the spark plug ignition.

Run: Provides power to the engine once it's started.

Accessory (Optional): Sometimes used for lights, electric starters, or other accessories.

Ground: Provides a return path for the electrical current.

Deciphering the 6-Prong Lawn Mower Ignition Switch Wiring Diagram

Unfortunately, a universal 6-prong ignition switch wiring diagram doesn't exist. The specific wiring configuration depends entirely on your lawnmower's make, model, and year. However, understanding the general principles will significantly aid in troubleshooting.

Locating the Diagram:

1. Owner's Manual: Your first stop should always be the owner's manual. It often contains a wiring diagram or at least a schematic of the electrical system.
2. Online Resources: Search online using your lawnmower's make, model, and "wiring diagram" keywords. Websites like manufacturer support pages or online forums dedicated to lawnmower repair may contain valuable information.
3. Parts Diagram: Check the parts diagram for your lawnmower at a parts supplier's website or a hardware store. Often, the diagram will show the location and connection points of the ignition switch.

Interpreting the Diagram:

Once you've located the diagram (it often looks like a simplified circuit board), you'll need to understand its symbols. Common symbols include:

Numbers: Representing specific terminals or prongs on the ignition switch.

Lines: Indicating the electrical pathways.

Symbols: Representing components like the battery, starter motor, ignition coil, etc.

Carefully trace the pathways to understand which terminal on the switch corresponds to which component. Note that color-coding of wires plays a crucial role; the diagram will usually indicate the wire color for each circuit.

Troubleshooting a Faulty 6-Prong Ignition Switch

If your lawnmower won't start, and you suspect the ignition switch, systematic troubleshooting is essential. Remember to always disconnect the battery's negative terminal before working on the electrical system.

1. Visual Inspection:

Begin with a thorough visual inspection of the switch and its wiring. Look for:

Loose Connections: Check for loose or corroded wires at the switch terminals.

Damaged Wires: Inspect the wires for any cuts, breaks, or fraying.

Burnt or Melted Areas: These indicate potential shorts or excessive heat buildup.

2. Voltage Testing:

Use a multimeter to test the voltage at each terminal of the ignition switch. This helps determine if the power is reaching the switch correctly and if each circuit is functioning.

3. Continuity Test:

With the ignition switch in different positions (off, start, run), check the continuity between terminals using a multimeter. This verifies that the internal components of the switch are working correctly. A lack of continuity in the expected circuits points to a faulty switch.

Replacing the 6-Prong Ignition Switch

If your troubleshooting reveals a faulty switch, replacement is often the most effective solution. This involves:

1. Disconnecting the wires: Carefully note which wire goes to each terminal before disconnecting them.
2. Removing the old switch: This often involves removing screws or other fasteners securing the switch to the mower.
3. Installing the new switch: Reconnect the wires according to the diagram or your notes, ensuring a secure connection to each terminal.
4. Testing: After reconnecting the battery, test the mower to confirm that the new switch is functioning correctly.

Conclusion

Understanding the 6-prong lawn mower ignition switch wiring diagram is a vital skill for any lawnmower owner. This guide provides a framework for diagnosing and resolving starting problems, but remember that safety is paramount. Always disconnect the battery before working on the electrical system, and if you are unsure about any step, consult a qualified technician.

FAQs

1. Can I use a different type of ignition switch? No, you should only use a replacement switch that is specifically designed for your lawnmower's make and model. Using an incompatible switch can damage your mower's electrical system.
2. Why is my lawnmower not starting even with a new ignition switch? A new switch doesn't guarantee a fix. Other issues, such as a faulty starter motor, dead battery, or problems with the ignition coil, could still be the cause.
3. What tools do I need to replace the ignition switch? You'll typically need screwdrivers (Phillips and flathead), wire strippers/cutters, a multimeter (for testing), and possibly pliers.
4. How much does a 6-prong ignition switch cost? Prices vary depending on the brand and model. Expect to pay anywhere from \$10 to \$50 or more.
5. Are there any online resources that can help me identify my switch's wiring diagram? Yes, manufacturers' websites, online forums dedicated to lawnmowers (like those specific to brands such as Toro, John Deere, etc.), and parts supplier sites are good resources. Remember to specify your model number.

6 prong lawn mower ignition switch wiring diagram: Electric Power Systems Alexandra von Meier, 2006-06-30 A clear explanation of the technology for producing and delivering electricity Electric Power Systems explains and illustrates how the electric grid works in a clear, straightforward style that makes highly technical material accessible. It begins with a thorough discussion of the underlying physical concepts of electricity, circuits, and complex power that serves as a foundation for more advanced material. Readers are then introduced to the main components of electric power systems, including generators, motors and other appliances, and transmission and distribution equipment such as power lines, transformers, and circuit breakers. The author explains how a whole power system is managed and coordinated, analyzed mathematically, and kept stable and reliable. Recognizing the economic and environmental implications of electric energy production and public concern over disruptions of service, this book exposes the challenges of producing and delivering electricity to help inform public policy decisions. Its discussions of complex concepts such as reactive power balance, load flow, and stability analysis, for example, offer deep insight into the complexity of electric grid operation and demonstrate how and why physics constrains economics and politics. Although this survival guide includes mathematical equations and formulas, it discusses their meaning in plain English and does not assume any prior familiarity with particular notations or technical jargon. Additional features include: * A glossary of symbols, units, abbreviations, and acronyms * Illustrations that help readers visualize processes and better understand complex concepts * Detailed analysis of a case study, including a Web reference to the case, enabling readers to test the consequences of manipulating various parameters With its clear discussion of how

electric grids work, *Electric Power Systems* is appropriate for a broad readership of professionals, undergraduate and graduate students, government agency managers, environmental advocates, and consumers.

6 prong lawn mower ignition switch wiring diagram: *Practical Outboard Ignition Troubleshooting* CDI Electronics, Incorporated, 2009-08-05 Comprehensive troubleshooting guide for most outboard marine engines. Includes detailed diagnostic tips, DVA measurements, engine specific test data, and much more.

6 prong lawn mower ignition switch wiring diagram: *Handbook of Electrical Design Details* Neil Sclater, John E. Traister, 2003-05-21 A COMPREHENSIVE SOURCE OF TECHNICAL DETAILS ON ELECTRICAL POWER FROM GENERATION TO PRACTICAL APPLICATIONS Reliable, low-cost electric power is a fundamental requirement for modern society, making possible such vital services as lighting, HVAC, transportation, communication, and data processing, in addition to driving motors of all sizes. A mainstay of industrial productivity and economic prosperity, it is also essential for safeguarding human life and health. This handbook is a valuable information resource on electric power for everyone from technical professionals to students and laypeople. This compact, user-friendly edition updates and expands on the earlier edition. Its core content of power generation, distribution, lighting, wiring, motors, and project planning has been supplemented by new topics: * CAD for preparing electrical drawings and estimates * Basic switch and receptacle circuit wiring * Structured wiring for multimedia * Swimming pool and low-voltage lighting * Electrical surge protection An easy-to-read style makes complex topics understandable. It's a must-have reference for those with a need or desire to get up to speed on the entire subject of electric power or just familiarize themselves with the latest advances--regardless of their formal education or training. Reader-helpful features in this edition include: * Up-front chapter summaries to save time in finding topics of interest. * References to related articles in the National Electrical Code. * A bibliography identifying additional sources for digging deeper. * Approximately 300 illustrations

6 prong lawn mower ignition switch wiring diagram: *The Storyteller's Thesaurus* Troll Lord Games, 2015-04-30 Writers, game designers, teachers, and students ~this is the book you've been waiting for! Written by storytellers for storytellers, this volume offers an entirely new approach to word finding. Browse the pages within to see what makes this book different:

6 prong lawn mower ignition switch wiring diagram: *Buyology* Martin Lindstrom, 2010-02-02 NEW YORK TIMES BESTSELLER • "A fascinating look at how consumers perceive logos, ads, commercials, brands, and products."—Time How much do we know about why we buy? What truly influences our decisions in today's message-cluttered world? In *Buyology*, Martin Lindstrom presents the astonishing findings from his groundbreaking three-year, seven-million-dollar neuromarketing study—a cutting-edge experiment that peered inside the brains of 2,000 volunteers from all around the world as they encountered various ads, logos, commercials, brands, and products. His startling results shatter much of what we have long believed about what captures our interest—and drives us to buy. Among the questions he explores: • Does sex actually sell? • Does subliminal advertising still surround us? • Can "cool" brands trigger our mating instincts? • Can our other senses—smell, touch, and sound—be aroused when we see a product? *Buyology* is a fascinating and shocking journey into the mind of today's consumer that will captivate anyone who's been seduced—or turned off—by marketers' relentless attempts to win our loyalty, our money, and our minds.

6 prong lawn mower ignition switch wiring diagram: *Anagram Solver* Bloomsbury Publishing, 2009-01-01 *Anagram Solver* is the essential guide to cracking all types of quiz and crossword featuring anagrams. Containing over 200,000 words and phrases, *Anagram Solver* includes plural noun forms, palindromes, idioms, first names and all parts of speech. Anagrams are grouped by the number of letters they contain with the letters set out in alphabetical order so that once the letters of an anagram are arranged alphabetically, finding the solution is as easy as locating the word in a dictionary.

6 prong lawn mower ignition switch wiring diagram: Asha Winston Head, 2017-03-07
Magi's 2,600 year old sacred texts translated into 16 statements and teachings. Magic was named after the magi, learn the mind set behind the miracles.

6 prong lawn mower ignition switch wiring diagram: Surveying Yachts and Small Craft
Paul Stevens, 2013-10-06 This is the only book linked to a practical surveying course. Highly practical in nature, and packed with detailed close-up photography, step by step procedures, and helpful checklists, this definitive handbook will prove a godsend to small craft owners who want to check out defects on their own boats or on boats they are planning to buy, as well as practicing surveyors and surveying students. Featuring surveying bodies, equipment required, assessing defects (including moisture-related defects, and the use of moisture meters) and their severity, the book guides the reader through conducting a thorough inspection, from keel to topsides, coachroof, stern gear, rigging and much more. The highly practical approach of this book will be invaluable to students of surveying, qualified surveyors and yacht and boat owners everywhere.

6 prong lawn mower ignition switch wiring diagram: CliffsTestPrep ASVAB Fred N. Grayson, 2004-03-15 The CliffsTestPrep series offers full-length practice exams that simulate the real tests; proven test-taking strategies to increase your chances at doing well; and thorough review exercises to help fill in any knowledge gaps. See PDF example CliffsTestPrep ASVAB can help you qualify for the military. The Armed Services Vocational Aptitude Battery is an exam that presents a series of individual tests to measure various academic and vocational skills. Use this study guide to help you get started in the military career of your choice. Inside, you'll find Three full-length practice tests A diagnostic test to assess your strengths and weaknesses Practice questions, answers, and explanations in each chapter An action plan for effective preparation Subject area reviews covering all areas of the exam With practical tips on how to boost your scores on all nine sections of the ASVAB, this comprehensive guide will help you score your highest. In addition, you'll hone your knowledge of subjects such as General science, including life sciences, chemistry, physics, and earth science Basic math skills, including fractions, decimals, percents, and arithmetic operations Vocabulary, including a review of prefixes, roots, and suffixes Reading comprehension, including identification of main ideas, sequence of events, and conclusions Auto and shop information, including the basics on engines, transmissions, measuring tools, and design Advanced mathematics, including number theory, algebra, and geometry Mechanical comprehension, including fluid dynamics and mechanical motion Electronics, including electric power generation, Ohm's Law, and semiconductors Assembling objects, including puzzles and connections With guidance from the CliffsTestPrep series, you'll feel at home in any standardized-test environment!

6 prong lawn mower ignition switch wiring diagram: Reducing Lead Hazards when Remodeling Your Home , 1994

6 prong lawn mower ignition switch wiring diagram: Concise English-Interlingua Dictionary F. P. Gopsill, B. C. Sexton, 1987

6 prong lawn mower ignition switch wiring diagram: Merriam-Webster's Rhyming Dictionary Merriam-Webster, Inc, 2002 New edition! Convenient listing of words arranged alphabetically by rhyming sounds. More than 55,000 entries. Includes one-, two-, and three-syllable rhymes. Fully cross-referenced for ease of use. Based on best-selling Merriam-Webster's Collegiate® Dictionary, Eleventh Edition.

6 prong lawn mower ignition switch wiring diagram: The University of Chicago Spanish Dictionary David A. Pharies, María Irene Moyna, Gary K. Baker, 2003

6 prong lawn mower ignition switch wiring diagram: Nelson Physics 12 Alan J. Hirsch, 2003 Nelson Physics 12 provides a rigorous, comprehensive, and accurate treatment of all concepts and processes presented in Ontario's Physics, Grade 12, university Preparation course (SPH4U). This resource thoroughly equips students with the independent learning, problem-solving, and research skills that are essential to successfully meet the entrance requirements for university programs. Complex Physics concepts are presented in a clear, understandable fashion and key concepts, such as static equilibrium, are treated in greater depth than specified in the curriculum.

6 prong lawn mower ignition switch wiring diagram: Jaguar XJS Paul Skilleter, 2005-03-04

A renowned Jaguar expert offers a comprehensive historical review of the highly collectable XJS series of coupes, cabriolets and convertibles with particular emphasis on quality evaluation, maintenance and upgrades. Jaguar XJS takes the reader through the 20-year history of a model series which, after a lukewarm reception in 1975 by Jaguar enthusiasts who expected a replacement for the famed E-Type, matured through many evolutions into some of the most stylish cars ever to wear the Jaguar badge, earning along the way an enviable reputation on the international motor racing scene.

6 prong lawn mower ignition switch wiring diagram: Automotive Technology James D.

Halderman, 2012 *Automotive Technology: Principles, Diagnosis, and Service*, Fourth Edition, meets the needs for a comprehensive book that covers all eight areas of automotive service, plus the soft skills and tool knowledge that must also be taught. Because many automotive systems are intertwined, presenting all systems together in one text makes it easier for the student to see how they are all connected. Topics are divided into 133 short chapters, which makes it easier for instructors and students to learn and master the content.

6 prong lawn mower ignition switch wiring diagram: Read It Speak It Do It Marilyn

Hickey, 2022-07 "Where are you?" At the age of 11, Marilyn asked God this simple, yet profound question. God's reply was equally as simple, yet profound: "I am in the Word." His response made sense, and Marilyn began to read the Bible. At night, she would kneel on the floor and pray the Scriptures before going to bed. She had no idea that this would lay the foundation for her life and ministry — that these simple practices were shaping her destiny. Several years later, Marilyn heard a teaching on not just reading and doing what the Bible said, but also speaking it. That revelation, along with God's mercy and grace, produced astonishing miracles in Marilyn's life over the last six decades. She wants these same miracles for you! In *Read It. Speak It. Do It.* Marilyn gives you the blueprint that she has used for reading the Bible, speaking its promises, and acting on what the Word says. You will gain practical strategies on: ■ Reading, studying, and meditating on the Bible. ■ Taking a passage of Scripture and speaking it over your life. ■ Wielding the Sword of Truth (the Word) during spiritual warfare. ■ Walking out the Word in faith and expecting miracles. Living a miraculous life is not just for international evangelists and preachers; it is also for you! Victory begins when you read it, speak it, and do it!

6 prong lawn mower ignition switch wiring diagram: A Basic Vocabulary of Scientific and

Technological German Joseph Horne, 1969 *A Basic Vocabulary of Scientific and Technological German* is a collection of common scientific and technological terms used in many fields in science, commerce, and industry. This book provides the most commonly used German terms and words in the applied and pure sciences, such as anatomy and physiology, and in commerce and industry. The author explains German grammar particularly as it is used in modern scientific and research papers. He introduces the concept of separable and inseparable compounds and explains sample uses. Like in English, he also explains how words are compounded and const ...

6 prong lawn mower ignition switch wiring diagram: Air Conditioning, Heating and

Ventilating , 1965

6 prong lawn mower ignition switch wiring diagram: The Electrical Systems Design &

Specification Handbook for Industrial Facilities Steven J. Marrano, Craig DiLouie, 1998 Written to serve the needs of construction industry professionals, this practical handbook provides a consolidated guide for design engineers and project managers, as well as maintenance professionals, technicians and others who must accurately specify electrical equipment.

6 prong lawn mower ignition switch wiring diagram: Alternators and Starter Motors Robert

Bosch GmbH., 2003

6 prong lawn mower ignition switch wiring diagram: National Safety Tractor and

Machinery Operation Program Student Manual Ohio State University, Pennsylvania State University, National Safety Council, 2006-06-30 The need for current and better quality training materials was cited by both certification program instructors and coordinators. In recognition of

these shortcomings, the U. S. Department of Agriculture (USDA) funded a major project with Penn State University, The Ohio State University, and the National Safety Council to develop a National Safe Tractor and Machinery Operation Program (NSTMOP). The result is the NSTMOP Student Manual. This manual, including the task sheets, is the primary curriculum resource developed and designed to be used in a variety of instructional settings. The task sheets are divided into 6 sections: introduction; safety basics; agricultural hazards; the tractor; connecting and using implements with the tractor; and material handling (skid steers, ATV, and utility vehicles). There are a total of 77 task sheets, 48 are identified as core topics. Also included are a skills and driving test layout map and evaluation forms.

6 prong lawn mower ignition switch wiring diagram: Volkswagen Type 3 Workshop Manual Bentley Publishers, 2004 The Volkswagen Type 3 Workshop Manual: 1961-1967 covers Type 3 models (Fastback, Squareback, Notchback and Type 3 Karmann Ghia 1500 coupe). This book represents the sixth title in our line of vintage Volkswagen repair manuals and compiles original Volkswagen official service and repair information for US and Canada Type 3 models for the first time in a single volume.

6 prong lawn mower ignition switch wiring diagram: **Motorcycle Mechanics** William Harry Crouse, Donald L. Anglin, 1982

6 prong lawn mower ignition switch wiring diagram: **Residential Construction Performance Guidelines, Consumer Reference (Pack of 10)** National Association of Home Builders, 2016 NAHB's Residential Construction Performance Guidelines were created to offer a third-party view of quality issues in residential construction (both new homes and remodeling). The Consumer Reference makes it easy to provide a copy of the guidelines to every customer. Sold in affordable packs of 10, the Consumer Reference is a great addition to your warranty claims process and: Help customers understand the basics of a properly constructed home and how it should perform during the warranty period Take action to resolve customer concerns before they escalate to complaints Exhibit your professionalism by showing that you consistently meet or exceed accepted industry guidelines Includes Residential Construction Performance Guidelines for: Site Work and Foundation Floors, Walls, and Roofs

6 prong lawn mower ignition switch wiring diagram: Ford Fiesta R. M. Jex, J.M. Jex, 2005

6 prong lawn mower ignition switch wiring diagram: **The W6Sai Hf Antenna Handbook** William I. Orr, 1996-05-01

6 prong lawn mower ignition switch wiring diagram: Automotive Technology James D. Halderman, Chase D. Mitchell, 1999 Automotive Technology: Principles, Diagnosis, and Service is an introductory bumper to bumper textbook focusing on diagnosis and troubleshooting. Tech tip, Diagnostic story, and Frequently asked questions features throughout the book detail for the student real-world troubleshooting and repair solutions for common problems. The latest technical advances are covered thoroughly. - Back cover.

6 prong lawn mower ignition switch wiring diagram: *73 Dipole and Long-wire Antennas* Edward M. Noll, 1978

6 prong lawn mower ignition switch wiring diagram: **Distributive Education Instructional Materials** Ohio State University. Center for Vocational and Technical Education, 1972

6 - Wikipedia

6 is the 2nd superior highly composite number, [6] the 2nd colossally abundant number, [7] the 3rd triangular number, [8] the 4th highly composite number, [9] a pronic number, [10] a congruent number, [11] a harmonic divisor number, [12] and a semiprime.

6 (number) - New World Encyclopedia

The evolution of our modern glyph for 6 appears rather simple when compared with that for the other numerals. Our modern 6 can be traced back to the Brahmins of India, who wrote it in one

stroke like a cursive lowercase e rotated 45 degrees clockwise.

Learn About the Number 6 | Number of the Day: 6 | Learn Six ...

Learn to recognize and understand Number 6. Learn to count up to and down from six. Created by teachers, learn how to show 6 in a ten frame. Learn to draw 6 ...

Number 6 - Facts about the integer - Numbermatics

Your guide to the number 6, an even composite number composed of two distinct primes.

Mathematical info, prime factorization, fun facts and numerical data for STEM, education and fun.

8 Fascinating Facts About The Number 6 - Facts.net

May 3, 2023 · From its appearance in various cultures and religions to its presence in mathematics and science, the number 6 is a symbol of balance, harmony, and perfection. In this article, we'll explore eight facts about the number 6 that showcase its diverse range of meanings and applications.

50 Interesting Facts About the Number 6 - Facts Crush

As a composite number, 6 is divisible by multiple factors, making it a fascinating and versatile digit to explore. In this article, we will delve into 50 interesting facts about the number 6, including its cultural significance, mathematical properties, and much more.

6 -- from Wolfram MathWorld

Aug 13, 2025 · It is the also smallest perfect number, since $6=1+2+3$. The number 6 arises in combinatorics as the binomial coefficient $(4; 2)$, which appears in Pascal's triangle and counts the 2-subsets of a set with 4 elements.

6 - Wikipedia

6 is the 2nd superior highly composite number, [6] the 2nd colossally abundant number, [7] the 3rd triangular number, [8] the 4th highly composite number, [9] a pronic number, [10] a ...

6 (number) - New World Encyclopedia

The evolution of our modern glyph for 6 appears rather simple when compared with that for the other numerals. Our modern 6 can be traced back to the Brahmins of India, who wrote it in one ...

Learn About the Number 6 | Number of the Day: 6 | Learn Six ...

Learn to recognize and understand Number 6. Learn to count up to and down from six. Created by teachers, learn how to show 6 in a ten frame. Learn to draw 6 ...

Number 6 - Facts about the integer - Numbermatics

Your guide to the number 6, an even composite number composed of two distinct primes.

Mathematical info, prime factorization, fun facts and numerical data for STEM, education and fun.

8 Fascinating Facts About The Number 6 - Facts.net

May 3, 2023 · From its appearance in various cultures and religions to its presence in mathematics and science, the number 6 is a symbol of balance, harmony, and perfection. In ...

50 Interesting Facts About the Number 6 - Facts Crush

As a composite number, 6 is divisible by multiple factors, making it a fascinating and versatile digit to explore. In this article, we will delve into 50 interesting facts about the number 6, including its ...

6 -- from Wolfram MathWorld

Aug 13, 2025 · It is the also smallest perfect number, since $6=1+2+3$. The number 6 arises in combinatorics as the binomial coefficient $\binom{4}{2}$, which appears in Pascal's triangle and counts ...

[Back to Home](#)