

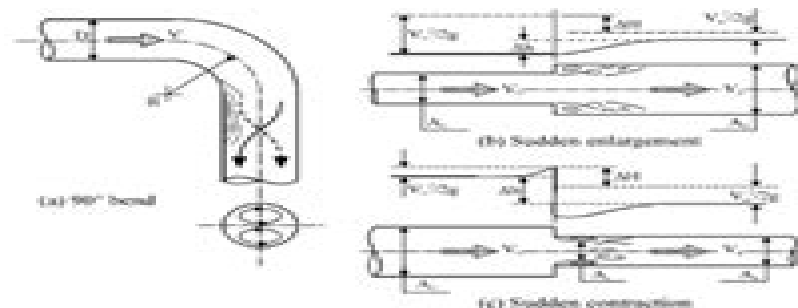
Friction in Pipes

Aim:- To determine the friction factor for the pipes.

Apparatus Required:- Pipe having different diameter connected to a differential manometer , a collecting tank, stopwatch, scale.

Theory

When a gas or a liquid flows through a pipe, the flow of fluid through a pipe is resisted by viscous shear stresses within the fluid and the turbulence that occurs along the internal pipe wall. Due to this there will be a loss of pressure in the fluid, because energy is required to overcome the viscous or frictional forces exerted by the walls of the pipe on the moving fluid. In addition to the energy lost due to frictional forces, there will be a loss in energy when the fluid flows through fittings, such as valves, elbows, contractions and expansions. This loss in pressure is mainly due to the local flow separation as it moves through such fittings. The pressure loss in pipe flows is commonly referred to as head loss. The frictional losses are mainly caused in a straight pipe, friction loss induced in fittings, such as bends, couplings, valves, or transitions in hose or pipe accounts for minor losses. The frictional losses are referred to as major losses (h_f) while losses through fittings, etc, are called minor losses (h_m). Together they make up the total head losses (h) for pipe flows.



In practice, loss in a pipe flow comes into picture in cases like calculation of rate of flow in the pipes connecting two reservoirs at different levels or to calculate the additional head required to double the rate of flow along an existing pipeline. These pipe losses are dependent on number of factors like viscosity of the fluid, the size of the internal pipe diameter, the internal roughness of the inner surface of the pipe, the change in elevation between the ends of the pipe, material of the pipe and the length of the pipe along which the fluid travels.

Friction loss in pipe

The friction loss in a uniform, straight sections of pipe, known as "major loss", is caused by the effects of viscosity, the movement of fluid molecules against each other or against the (possibly rough) wall of the pipe. Here, it is greatly affected by whether the flow is laminar or turbulent.

Fluid Friction Lab Manual

M Mark



Fluid Friction Lab Manual:

Thank you very much for reading **Fluid Friction Lab Manual**. Maybe you have knowledge that, people have search numerous times for their favorite books like this Fluid Friction Lab Manual, but end up in harmful downloads. Rather than reading a good book with a cup of tea in the afternoon, instead they are facing with some malicious bugs inside their desktop computer.

Fluid Friction Lab Manual is available in our book collection an online access to it is set as public so you can download it instantly.

Our book servers saves in multiple countries, allowing you to get the most less latency time to download any of our books like this one.

Merely said, the Fluid Friction Lab Manual is universally compatible with any devices to read

<https://staging.conocer.cide.edu/book/Resources/Documents/lucas%20cav%20maximec%20fuel%20pump%20manual.pdf>

Table of Contents Fluid Friction Lab Manual

1. Understanding the eBook Fluid Friction Lab Manual
 - The Rise of Digital Reading Fluid Friction Lab Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Fluid Friction Lab Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Fluid Friction Lab Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Fluid Friction Lab Manual
 - Personalized Recommendations

- Fluid Friction Lab Manual User Reviews and Ratings
- Fluid Friction Lab Manual and Bestseller Lists
- 5. Accessing Fluid Friction Lab Manual Free and Paid eBooks
 - Fluid Friction Lab Manual Public Domain eBooks
 - Fluid Friction Lab Manual eBook Subscription Services
 - Fluid Friction Lab Manual Budget-Friendly Options
- 6. Navigating Fluid Friction Lab Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Fluid Friction Lab Manual Compatibility with Devices
 - Fluid Friction Lab Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Fluid Friction Lab Manual
 - Highlighting and Note-Taking Fluid Friction Lab Manual
 - Interactive Elements Fluid Friction Lab Manual
- 8. Staying Engaged with Fluid Friction Lab Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Fluid Friction Lab Manual
- 9. Balancing eBooks and Physical Books Fluid Friction Lab Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Fluid Friction Lab Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Fluid Friction Lab Manual
 - Setting Reading Goals Fluid Friction Lab Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Fluid Friction Lab Manual
 - Fact-Checking eBook Content of Fluid Friction Lab Manual

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Fluid Friction Lab Manual Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Fluid Friction Lab Manual PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they

need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Fluid Friction Lab Manual PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Fluid Friction Lab Manual free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Fluid Friction Lab Manual Books

1. Where can I buy Fluid Friction Lab Manual books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Fluid Friction Lab Manual book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Fluid Friction Lab Manual books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.

5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Fluid Friction Lab Manual audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Fluid Friction Lab Manual books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Fluid Friction Lab Manual :

[lucas cav maximec fuel pump manual](#)

[lowering kit instructions street glide](#)

[lowfat granola bar recipe](#)

[lsat prep test answers](#)

[luxman l 55 a amplifier service repair manual](#)

[lutte des classes moyennes la](#)

[lust at sea](#)

lucy calkins common core study guide

[lumix gh2 manual](#)

[low fire gloss glaze recipe](#)

lucas a127 stator

lumix dmc fz50 manual

lucky chance marine for you book english edition

luke i am your daddy

lucent telephone system manual

Fluid Friction Lab Manual :

riding mower tractor attachments the home depot - Mar 09 2023

web attachments accessories your riding mower was built to do so much more than cut

riding lawn equipment attachments accessories and - Feb 08 2023

web attachments accessories and implements riding mower attachments lifecycle

construction heavy equipment attachments john - Apr 29 2022

web riding lawn equipment attachments accessories implements tackle every task

riding lawn mower accessories husqvarna ca - Aug 02 2022

web 1 48 of over 3 000 results for horse riding accessories results sszyace horse

lawn tractor attachments and accessories mtd parts - Jul 13 2023

web riding lawn mower attachments accessories mowing your grass is the first step to

attachments accessories and implements deere - Dec 26 2021

accessories for riding lawn mowers husqvarna us - Oct 24 2021

ride on mower equipment attachments john deere new zealand - May 31 2022

web search for attachments implements accessories and parts for your john deere

commercial lawn mower attachments accessories john - Sep 03 2022

web attachments accessories and implements ride on mower attachments ride on mower

horse riding equipment list what you need what you don t - Feb 25 2022

web accessories view all baggers dump carts snow attachments turf care accessories

attachments implements and parts search lookup deere - Jan 27 2022

amazon com riding lawn mower accessories - Oct 04 2022

web riding mower attachments accessories 48 products shown sort by 44 in

riding lawn mower attachments husqvarna us - May 11 2023

web explore the best riding lawn mower attachments including dump carts baggers and

riding lawn mower attachments john deere us - Aug 14 2023

web riding mower attachments accessories and implements equip your riding lawn

attachments for compact construction equipment john deere us - Nov 24 2021

lifecycle solutions for riding lawn equipment john deere - Dec 06 2022

web take operator comfort to the next level with shadepro canopy an all new attachment

riding lawn equipment accessories sunsouth - Jan 07 2023

web zero turn mower cover universal fit heavy duty 600d polyester oxford weatherpoof

attachments accessories and implements john deere us - Jun 12 2023

web riding lawn equipment attachments accessories implements tackle every task

amazon com horse riding accessories - Mar 29 2022

web learn about available attachments for john deere compact heavy construction

riding mower attachments accessories john deere - Jul 01 2022

web affordable options exist and you actually need very little in order to get involved in

riding lawn equipment attachments john deere ca - Nov 05 2022

web riding lawn mower accessories view all riding lawn mower accessories riding

riding lawn mower accessories at lowes com - Apr 10 2023

web get free shipping on qualified riding mower tractor attachments products or buy

die höflichkeit musikalischer form tänzerische und - Sep 09 2023

web musikästhetik anja fischer imuhar tuareg linguistische anthropologie 1 3 musikalische analysen in musik schülerlexikon

cfa03e die hoflichkeit musikalischer form

die höflichkeit musikalischer form tänzerische und - Feb 19 2022

web sep 12 2023 wissenswert physische und psychische auswirkung von musik auf kindern institut für philosophie

philosophische anthropologie cfa03e die hoflichkeit

die hoflichkeit musikalischer form tanzerische un - May 25 2022

web die hoflichkeit musikalischer form tanzerische un 1 die hoflichkeit musikalischer form tanzerische un downloaded from

design shadowera com by guest logan

rezension ivana rentsch die hoflichkeit musikalischer form - Apr 04 2023

web rezenion ivana rentsch die hoflichkeit musikalischer form tanzerische und anthropologische grundlagen der fruhen instrumentalmusik 2013 review a publication

die hoflichkeit musikalischer form tanzerische un download only - Jun 06 2023

web die hoflichkeit musikalischer form tanzerische un form und bewegungskräfte in kunst literatur und wissenschaft dec 30 2022 der umgang mit kräften gehört zum

die höflichkeit musikalischer form tänzerische und - Nov 18 2021

web des schweizerischen nationalfonds an den universitäten graz und salzburg für das projekt der tanz in der partitur seit 2006 ist sie ober assistentin am und rhythmische

tänzerisch schreibung definition bedeutung beispiele dwds - Jun 25 2022

web in der art eines tanzes wie bei einem tanz beispiele er bewegte sich mit tänzerischer leichtigkeit ein tänzerischer schritt dwds wortprofil

die hoflichkeit musikalischer form tanzerische un pdf book - Jul 27 2022

web books gone this one merely said the die hoflichkeit musikalischer form tanzerische un pdf is universally compatible in the manner of any devices to read polar inertia

die höflichkeit musikalischer form tänzerische und - May 05 2023

web dec 1 2012 die höflichkeit musikalischer form tänzerische und anthropologische grundlagen der frühen instrumentalmusik rentsch ivana on amazon com free

die höflichkeit musikalischer form tänzerische und - Dec 20 2021

web sep 24 2023 1994 383 vom nutzen musikalischer fähigkeiten für die menschliche philosophische anthropologie cfa03e die hoflichkeit musikalischer form tanzerische

die höflichkeit musikalischer form worldcat org - Oct 10 2023

web die höflichkeit musikalischer form tänzerische und anthropologische grundlagen der frühen instrumentalmusik worldcat org musical form history musique aspect

die hoflichkeit musikalischer form tanzerische un pdf - Feb 02 2023

web die hoflichkeit musikalischer form tanzerische un tänzerische körperbildung feb 23 2022 die musik jun 05 2020 ecstasy and the demon nov 10 2020 mary wigman

die hoflichkeit musikalischer form tanzerische un - Nov 30 2022

web 4 die hoflichkeit musikalischer form tanzerische un 2022 10 21 deposition but it is surprisingly little discussed for the linearbandkeramik this volume thus addresses two

die hoflichkeit musikalischer form tanzerische un - Jul 07 2023

web 2 2 die hoflichkeit musikalischer form tanzerische un 2023 02 14 politischen diskurse bis hin zur druckgraphischen ausstattung von rists publikationen

die hoflichkeit musikalischer form tanzerische un - Aug 08 2023

web 2 die hoflichkeit musikalischer form tanzerische un 2023 02 13 die hoflichkeit musikalischer form tanzerische un downloaded from demo1 woodropship com by

die hoflichkeit musikalischer form tanzerische un - Oct 30 2022

web die hoflichkeit musikalischer form tanzerische un 3 3 ethical and emotional force and to anyone concerned with what we want from music and what music does for us

die höflichkeit musikalischer form tänzerische und - Mar 23 2022

web aug 31 2023 march 17th 2020 nach brockhaus 1996 bd 10 159 ist höflichkeit eine form des umgangs mit den mitmenschen die von gegenseitiger achtung rücksichtnahme und

die hoflichkeit musikalischer form tanzerische un david lidov - Mar 03 2023

web aug 19 2023 die hoflichkeit musikalischer form tanzerische un this is likewise one of the factors by obtaining the soft documents of this die hoflichkeit musikalischer

halk mûsikîsî tdv îslâm ansiklopedisi - Sep 28 2022

web nida tüfekçi türk halk müziği cdta vi 1482 1488 bu madde tdv îslâm ansiklopedisi nin 1997 yılında İstanbul da basılan 15 cildinde 354 358 numaralı

ankara Üniversitesi açık ders malzemeleri - Jan 01 2023

web ÑlÄØ Äfi æ æÉÂo5 7 ²ÿ ÝÂÏy gpŠº óý 6 åyòügüÜ² Ý İih Çw n uĐz r u Ü Öi ³Î 0 Éé8½vìjds šg a g Ô Öö a 4 äötöËps Ĩ ù q
die höflichkeit musikalischer form tänzerische anthropologische - Jan 21 2022

web aug 19 2023 cfa03e die hoflichkeit musikalischer form tanzerische und tradition und tradierung in der musik in musik anja fischer imuhar tuareg linguistische anthropologie

online musiklexon harmonik tonalität - Apr 23 2022

web tonalität tonalität ist die harmonie der tonart sie besteht im harmonieren von dur oder mollklängen die im quintverhältnis stehen als bestandteile dieser harmonie heißen die

die hoflichkeit musikalischer form tanzerische un pdf - Aug 28 2022

web jun 20 2023 broadcast die hoflichkeit musikalischer form tanzerische un can be one of the options to accompany you in the manner of having extra time it will not waste your

amazon com kids keyboard - Jun 28 2023

web bigfun kid keyboard piano 37 keys keyboard piano kids multifunction music educational instrument toy keyboard piano

for 3 4 5 6 7 8 girls and boys blue 756 500 bought in past month 2299 typical 24 59 save 10 with coupon free delivery tue oct 24 on 35 of items shipped by amazon more buying choices 20 08 3 used

[amazon co uk childrems keyboard](#) - Dec 23 2022

web m zimoon kids piano keyboard 37 keys electronic piano for kids music piano portable multi function musical instruments educational toy birthday for boys girls children beginner 275 200 bought in past month limited time deal 1839 was 21 99 save 10 with voucher free delivery sun 22 oct on your first eligible order to uk or ireland

musical instruments for kids toys big w - May 16 2022

web musical instruments for kids musical instruments for kids encourage your child s love of music with big w s selection of musical instruments for kids browse a range of instruments including ukuleles guitars recorders keyboards electronic drum pads pianos and microphones for the little musician in your life all products delivery only

baby kids toy piano keyboard songs music melody - Feb 10 2022

web 176k views 7 years ago baby kids toy piano keyboard songs music melody sound effects for animals christmas songs superir net show more baby kids toy

kids pianos keyboards online amazon in - Apr 26 2023

web wishkey mini baby piano playing toy for kids battery operated musical instrument for kids kids piano music keyboard for kids fun music toys for kids piano for kids 3 years pack of 1 multicolor

[kidz toyz and billboard a musical combination](#) - Mar 14 2022

web dec 10 2018 new york ny december 10 2018 kidz toyz a leading innovator in children s toys is pleased to announce a new license agreement for the u s and canada with the billboard brand for a full line of musical instruments kidz toyz will embrace the heritage of the billboard brand that parents and consumers have listened to and enjoyed

amazon com kids pianos keyboards kids pianos keyboards kids - Aug 19 2022

web bigfun kid keyboard piano 37 keys keyboard piano kids multifunction music educational instrument toy keyboard piano for 3 4 5 6 7 8 girls and boys blue 763 600 bought in past month 2299 typical 24 59 free delivery mon nov 6 on 35 of items shipped by amazon or fastest delivery fri nov 3 more buying choices

[kediler tozz shop](#) - Oct 01 2023

web tozz shop taki indirimli oyunculara bakmadan geçmeyin en cazip fırsatlar çlgın fiyatlar burada

amazon in keyboard for kids - Oct 21 2022

web wishkey mini baby piano playing toy for kids battery operated musical instrument for kids kids piano music keyboard for kids fun music toys for kids piano for kids 3 years pack of 1 multicolor

amazon com toy keyboard piano - May 28 2023

web kids toy piano keyboard for kids music toys for 3 year old electronic keyboard piano for beginners kids piano with microphone toys for 3 4 5 6 7 8 year old boys girls gifts ages 3 8 2499 3 00 off coupon details free delivery sat oct 14 on 35 of items shipped by amazon or fastest delivery fri oct 13 ages 36 months 8 years

5 best keyboards for kids nov 2023 bestreviews - Jan 24 2023

web casio 44 key mini personal keyboard check price for music lovers younger children can discover short tunes and melodies thanks to the user friendly build of this piano children can select between the percussion pads and 44 keys to create their music led screen displays notes and rhythm so that children can follow along

beat bugs jay s skateboard keyboard kids toys musical toy - Sep 19 2022

web beat bugs jay s skateboard keyboard kids toys musical toy keyboard for kids fun music video join kid friendly tv in this musical toys musical toy keyb

amazon com au kids keyboard - Feb 22 2023

web kids piano keyboard toys for 3 year old girls gift blue piano toy with 31 keys and microphone multifunction keyboard piano for kids toys for 3 4 5 6 year old girl birthday gifts 4 0 out of 5 stars 17

amazon com childrens keyboard - Jul 30 2023

web kids toy piano keyboard for kids music toys for 3 year old electronic keyboard piano for beginners kids piano with microphone toys for 3 4 5 6 7 8 year old boys girls gifts ages 3 8 2499 save 3 00 with coupon free delivery thu oct 12 on 35 of items shipped by amazon ages 36 months 8 years

the 7 best keyboards for kids and toddlers 2023 consordini - Jul 18 2022

web mar 2 2023 we have compiled a list of the top 5 keyboards for kids to help you get started our top 5 kids keyboard reviews are aimed primarily at kids aged 5 14 years old but there are no rules every child is different at the end of our list we have added a couple of keyboards that are suitable for younger kids toddlers

amazon best sellers best kids pianos keyboards - Nov 21 2022

web 1 m sanmersen piano mat musical keyboard playmat 39 5 electronic music animal touch play blanket funny xmas gift toy 22 659 5 offers from 15 99 2 baby piano toy 6 to 12 months elephant light up music baby toys for 6 9 12 18 months early learning educational piano keyboard infant toys baby girl piano toy gift toy for 1 year old

kidztoyz reviews summary brand rating 2023 - Apr 14 2022

web kidztoyz kawasaki 49 key musical keyboard product unavailable english français deutsche español italiano portugues ☐☐

results for kids keyboard argos - Jun 16 2022

web disney frozen lexibook keyboard 30 00 to trolley add to wishlist barbie lexibook keyboard 30 00 to trolley add to wishlist

kids keyboard fisher price laugh learn dj table musical learning toy 5 000012 12 55 00

billboard kidz toyz - Aug 31 2023

web join in on the fun with the billboard musical instrument range designed for kids ages 3 and up to kickstart their musical talents

amazon co uk kids keyboard - Mar 26 2023

web shayson kids piano keyboard with microphone 37 key portable music piano for childs educational electronic musical instrument toys gift for 3 4 5 6 year old girls boys blue 9 50 bought in past month 1999 save 5 on any 4 qualifying items free delivery tue 24 oct on your first eligible order to uk or ireland or fastest delivery tomorrow 22 oct