



Periapical X Rays Technical Manual

Annelies Wilder-Smith



Periapical X Rays Technical Manual:

Getting the books **Periapical X Rays Technical Manual** now is not type of inspiring means. You could not forlorn going bearing in mind book stock or library or borrowing from your associates to entrance them. This is an no question simple means to specifically get guide by on-line. This online pronouncement Periapical X Rays Technical Manual can be one of the options to accompany you like having extra time.

It will not waste your time. allow me, the e-book will categorically melody you new event to read. Just invest little grow old to get into this on-line statement **Periapical X Rays Technical Manual** as well as evaluation them wherever you are now.

https://crm.avenza.com/files/virtual-library/HomePages/philips_arcitec_manual.pdf

Table of Contents Periapical X Rays Technical Manual

1. Understanding the eBook Periapical X Rays Technical Manual
 - The Rise of Digital Reading Periapical X Rays Technical Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Periapical X Rays Technical 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 Periapical X Rays Technical Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Periapical X Rays Technical Manual
 - Personalized Recommendations
 - Periapical X Rays Technical Manual User Reviews and Ratings
 - Periapical X Rays Technical Manual and Bestseller Lists
5. Accessing Periapical X Rays Technical Manual Free and Paid eBooks

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

Periapical X Rays Technical Manual Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Periapical X Rays Technical Manual free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Periapical X Rays Technical Manual free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Periapical X Rays Technical Manual free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are

legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but it's essential to be cautious and verify the authenticity of the source before downloading Periapical X Rays Technical Manual. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether it's classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Periapical X Rays Technical Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Periapical X Rays Technical Manual Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook's credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What's the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Periapical X Rays Technical Manual is one of the best books in our library for free trial. We provide a copy of Periapical X Rays Technical Manual in digital format, so the resources that you find are reliable. There are also many eBooks related to Periapical X Rays Technical Manual. Where to download Periapical X Rays Technical Manual online for free? Are you looking for Periapical X Rays Technical Manual PDF? This is definitely going to save you time and cash in something you should think about.

Find Periapical X Rays Technical Manual :

philips arcitec manual

philips avent isis manual breast pump white

philips 58pf1995h service manual repair guide

peugeot bb manual

[pgo gmax scooter workshop manual](#)

[phaser 6180 user guide](#)

[pg 53 answers springboard algebra 2](#)

[phd entrance exam question papers for physics](#)

peugeot rd4 wire diagram

pgo bigmax 50 workshop service manual

philip selznick lorganisation comme institution

phet simulation ramp forces and motion answer key

phantom trains and haunted rails of the u s

[phase diagram part c answer key](#)

pgo gmax 150 owners manual

Periapical X Rays Technical Manual :

junk food powerpoint templates slides and graphics slidegeeks - Sep 05 2022

web presenting this set of slides with name picture of junk food on a plate ppt powerpoint presentation infographic template infographics the topics discussed in these slides are hot dog junk food chicken sausage this is a completely editable powerpoint presentation and is available for immediate download

ppt junk fast food its harmful effects powerpoint presentation - Mar 11 2023

web andrew f smith in his book encyclopedia of junk food and fast food defines junk food as those commercial products including candy bakery goods ice cream salty snacks and soft drinks which have little or no nutritional value but do have plenty of calories salt and fats

[junk food presentation pdf junk food healthy diet scribd](#) - Oct 06 2022

web junk food presentation free download as powerpoint presentation ppt pptx pdf file pdf text file txt or view presentation slides online junk food

ppt the junk food powerpoint presentation free download - Jan 09 2023

web apr 6 2019 eating the junk food leads to obesity and high weight risk is greatest fast food cause of short stature remember junk foods are empty calories an empty calorie lacks in micro nutrients such as vitamins minerals or amino acids and fiber but has high energy calories

junk food ppt ppt slideshare - May 13 2023

web dec 21 2020 an informal term applied to foods without any nutritional value the term junk food was coined by michael

jacobson director of the centre of science in public interest in 1972 use of unhealthy ingredients regular consumption may cause ill effects to health easily available and cheap various options available

junk and fast food presentation slideshare - Dec 08 2022

web presentation by m owais raees m junaid usman cheema junk foods and its harmful effects 3 junk food is a term of food containing high levels of calories from sugar or fat with little protein and vitamins what is junk food 4 junk food varieties pic 5 some popular food chains 6 why we give preference to junk food 7

powerpoint presentation - Feb 27 2022

web lesson one junk food marketing partner logos healthier place healthier future learning objectives to understand what food marketing is to understand the impact of junk food marketing to learn about advertising tricks and hacks to learn about what we can do resources powerpoint presentation

ppt effects of junk food effects of junk food on health powerpoint - Mar 31 2022

web i am addicted to junk foods what to do to lose weight and get in shape this powerpoint presentation describes about i am addicted to junk foods what to do to lose weight and get in shape you can find more detail about instaslim capsules at dharmanis com powerpoint ppt presentation free to view

junk food and it s side effects slideshare - Nov 07 2022

web 1 of 27 junk food and it s side effects jun 10 2014 0 likes 44 072 views download now download to read offline healthcare business technology i have been in the research work of this topic and when i found that there is something which i should pass it on to other person then i din t wait and uploaded this photo suman105 follow recommended

junk food powerpoint ppt presentation powershow com - Jan 29 2022

web junk fast food its harmful effects junk food is a pejorative term for food containing high levels of calories from sugar or fat with little fibre protein vitamins or minerals junk food can also refer to high protein food like meat prepared with saturated fat

junk food slideshare - Aug 16 2023

web sep 26 2014 junk food 1 dr subha ranjan junior resident community medicine n m c patna 2 junk food is an informal term applied to some foods that are perceived to have little or no nutritional value containing empty calories or to products with nutritional value but which also have ingredients considered unhealthy

200 best junk food themed templates for powerpoint google - Aug 04 2022

web 200 best junk food themed templates crystalgraphics creates templates designed to make even average presentations look incredible below you ll see thumbnail sized previews of the title slides of a few of our 200 best junk

junk food v s healthy food ppt slideshare - Feb 10 2023

web oct 23 2014 why junk food is so appealing the time factor they are easy to prepare and are very tasty junk foods such as potato wafers do not even need cooking or heating we prefer to eat them when we watch tv we save our self a lot of hassles and time when we are in a hurry eating pizzas and burgers as they are served at our door

junk food slide geeks - Dec 28 2021

web junk food found in picture of junk food on a plate ppt powerpoint presentation infographic template infographics illustration of junk food meal vector icon ppt powerpoint presentation show templates junk food vector

junk food powerpoint templates google slides themes - May 01 2022

web download free and premium junk food powerpoint templates choose and download junk food powerpoint templates and junk food powerpoint backgrounds in just a few minutes and with amazing ease of use you can transform your sleep inducing powerpoint presentation into an aggressive energetic jaw dropping presentation in

free junk food powerpoint templates and google slides themes - Jun 02 2022

web download the following free and ready to use junk food powerpoint templates and google slides themes for the upcoming presentation you only need to change text logo or colors on the professional ppt templates

on junk food pdf fast food healthy diet scribd - Jul 03 2022

web fdefinition food that is low in nutritional value often highly processed or ready prepared and eaten instead of or in addition to wellbalanced meals fslogan the more you eat junk bigger your trunk fwhy it is so popular o save time o nice taste o simply cheap ftypes of fast food o burgers sandwiches hot

ppt junk food and its harmful effects academia edu - Jul 15 2023

web quick and easy it s everywhere it s cheap and it tastes good studies about junk foods according to the study it is shows that 60 of peoples are having diabetes and obesity problems studies in rat population shows that when they overeat these junk foods they refused to eat healthier foods junk foods are 3 time more harmful

ppt health food and junk food powerpoint presentation free - Jun 14 2023

web jul 13 2014 no matter how easy junk foods might be to eat believe us when we say that junk food is as bad for your health as alcohol and smoking see for yourself with these junk food facts that might just convince you to eat healthier 1 45k views 29 slides

junk food slideshare - Apr 12 2023

web apr 26 2010 junk food v s healthy food syed jahangir ali 96 4k views 10 slides junk and fast food presentation owais warraich 57 9k views 25 slides

flying with functions algebra 1 key pdf rchat technosolutions - Jun 01 2022

web abstract algebra and an in depth treatment of the applications of algebraic techniques and the relationship of algebra to

other disciplines such as number theory combinatorics geometry topology differential equations and markov chains ck 12 basic algebra volume 1 of 2 courier dover publications flight dynamics simulation and control

flying with functions algebra 1 key 2023 demo1 woodropship - Nov 06 2022

web flying with functions algebra 1 key functions data and models functions and change a modeling approach to college algebra math common core algebra 1 integrated avionics instrument and flight control systems specialist f fb ef 111 afsc 32657a technical abstract bulletin algebra introduction to aircraft flight mechanics

functions college algebra math khan academy - Jan 08 2023

web college algebra 14 units 105 skills unit 1 linear equations and inequalities unit 2 graphs and forms of linear equations unit 3 functions unit 4 quadratics multiplying and factoring unit 5 quadratic functions and equations unit 6

flying with functions algebra 1 key uniport edu - Feb 26 2022

web may 27 2023 flying with functions algebra 1 key is easily reached in our digital library an online access to it is set as public so you can download it instantly our digital library

flying with functions algebra 1 key orientation sutd edu - Apr 11 2023

web flying with functions algebra 1 key lesson 2 key algebra amp functions p 1 key a simplifying expressions an expression does not have an equal sign with a left side and a right side in an expression we can only simplify rather than solve algebra 1 fsa mathematics practice test answer key the purpose of these practice test

ebook flying with functions algebra 1 key - Mar 10 2023

web algebra 1 workbook with answer key algebra workbook for 9th grade high school algebra one includes detailed answer explanations give yourself all the practice you will need for algebra math

flying with functions algebra key book - Oct 17 2023

web 1 flying with functions algebra key what is calculus feb 18 2023 this unique book provides a new and well motivated introduction to calculus and analysis historically significant fundamental areas of mathematics that are widely used in many disciplines it begins with familiar elementary high school

flying with functions algebra key domainlookup - May 12 2023

web merely said the flying with functions algebra key is universally compatible with any devices to read basic calculus of planetary orbits and interplanetary flight alexander j hahn 2020 03 14 intended for a one or two semester course this text applies basic one variable calculus to analyze the motion

basic function practice mathbitsnotebook a1 - Jun 13 2023

web given that relation $s = 5 - \frac{1}{2}k^2$ which of the following values for k will make relation s a function

flying with functions algebra 1 key pdf web mei - Aug 15 2023

web 2 flying with functions algebra 1 key 2021 08 14 discrete mathematics pdes differential geometry topology k theory game theory fluid mechanics dynamical systems and ergodic theory cryptography theoretical computer science and more extensive discussions surrounding the progress

flying with functions algebra 1 key pdf uniport edu - Oct 05 2022

web our books like this one merely said the flying with functions algebra 1 key is universally compatible next any devices to read college algebra jay abramson 2018 01 07 college algebra provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course the modular

flying with functions algebra key - Apr 30 2022

web flying with functions algebra key as one of the most keen sellers here will certainly be accompanied by the best options to review math in practice holt rinehart and winston staff 2001 02 a second course in calculus harley flanders 2014 05 12

flying with functions algebra 1 key full pdf ai classmonitor - Jul 14 2023

web 2 flying with functions algebra 1 key 2022 06 21 science and those seeking an enriching independent study will experience the mathematical language and methods of single variable calculus within their application to relevant conceptual and strategic aspects of the navigation of a

flying with functions algebra 1 key htaccess guide com - Sep 04 2022

web 1 flying with functions algebra 1 key yeah reviewing a ebook flying with functions algebra 1 key could increase your near contacts listings this is just one of the solutions for you to be successful as understood expertise does not recommend that you have extraordinary points

flying with functions algebra 1 key domainlookup org - Mar 30 2022

web apr 3 2023 we have the funds for flying with functions algebra 1 key and numerous books collections from fictions to scientific research in any way in the course of them is this flying with functions algebra 1 key that can be your partner zeta functions in algebra and geometry antonio campillo 2012

flying with functions algebra 1 key - Aug 03 2022

web you intention to download and install the flying with functions algebra 1 key it is extremely easy then since currently we extend the colleague to buy and create bargains to download and install flying with functions algebra 1 key suitably simple random walks in the quarter plane guy fayolle 2017 02 06 this monograph aims to promote original

functions algebra 1 math khan academy - Feb 09 2023

web unit test level up on all the skills in this unit and collect up to 2200 mastery points start unit test a function is like a machine that takes an input and gives an output let s explore how we can graph analyze and create different types of functions

algebra examples functions mathway - Jul 02 2022

web step by step examples algebra functions determining if linear rewriting as an equation rewriting as $y = mx + b$ solving function systems find the behavior leading coefficient test finding ordered pair solutions

flying with functions algebra key 2023 stage gapinc - Sep 16 2023

web flying with functions algebra key 3 3 discretely controlled continuous systems is the focus of this report a review of basic linear analysis topics required to support later developments is given these topics include laplace z and advanced z transform facts partial fraction expansion data holds and the switch decomposition

flying with functions algebra 1 key pdf uniport edu - Dec 07 2022

web apr 15 2023 flying with functions algebra 1 key 1 10 downloaded from uniport edu ng on april 15 2023 by guest flying with functions algebra 1 key if you ally need such a referred flying with functions algebra 1 key ebook that will manage to pay for you worth acquire the entirely best seller from us currently from several preferred authors

speaker wire diagram page 2 chevrolet cruze forums - Aug 26 2022

web may 22 2016 here is the six speaker electrical diagram you can read i hope view attachment 193786 yeah it works haven't screwed around with my 2lt sound system found it marginally acceptable outside of finding an mp3 dynamic range compression program not as quiet as a home system with a 65 75 dbm background noise

chevrolet 2011 2016 cruze ugg amplifier pinout diagram - May 03 2023

web feb 9 2022 wire function 1 d bu left front low level audio signal 2 yr right front low level audio signal 3 d gn bk left rear low level audio signal 4 bn wh right rear low level audio signal 9 bn d bu left front low level audio 10 d bu bn front low level audio 11 bn vt left rear low level audio 12 d

chevrolet cruze 10 16 1 4l 1 8l system wiring diagrams - Aug 06 2023

web wiring diagrams chevrolet cruze 2010 2016 with engines 1 4 and 1 8 engine and transmission wiring diagrams sensor locations designations on electrical equipment diagrams engine power system ignition and battery charging system electric fans of the heating air conditioning and interior ventilation systems

chevrolet cruze wiring diagrams - Apr 21 2022

web workshop and repair manuals service owner's manual wiring diagrams spare parts catalogue fault codes free download

2013 chevrolet cruze 1 4l 1 8l system wiring diagrams - Sep 26 2022

web manual a c circuit anti lock brakes circuit forced entry circuit pass key circuit body control modules circuit computer data lines circuit cooling fan circuit cruise control circuit defoggers circuit electronic power steering circuit 1 4l vin 9 engine performance circuit 1 8l vin h engine performance circuit backup lamps circuit

chevrolet cruze wiring diagrams fuse boxes - Jul 05 2023

web chevrolet cruze wiring diagrams fuse boxes car electrical wiring diagram chevrolet cruze engine compartment fuse box no a purpose 1 15 transmission control module 2 15 engine control module 3 not used 5 15 transmission control module engine control module mass air flow and intake air temperature sensor

cruze wiring diagrams chevrolet cruze forums - Jul 25 2022

web feb 6 2020 here are the wiring audio diagrams for cruze with the amp and also without the amp these are for the 2011 model i m not sure of anything changed for newer years

how to install a 2017 chevy cruze radio wiring diagram - Jun 23 2022

web sep 23 2023 if you own a 2017 chevy cruze and are looking to upgrade your car s audio system you ll need to install a 2017 chevy cruze radio wiring diagram this diagram is an essential part of the installation process and will help you understand how to properly connect the wiring of your new audio system

how i did the mylink wire harness chevrolet cruze forums - Feb 17 2022

web jan 31 2018 1 apr 8 2017 edited for information on programming and installing a mylink radio in a car that had the base green screen radio see this post [cruzetalk com forum 36 g ck dirty mylink upgrade diy gen 1 cruze](#) html if you don t want to build the harness and program the radio yourself see this post

[stereo wiring chevrolet cruze forums](#) - Oct 28 2022

web apr 12 2016 7796 posts joined 2014 6 apr 12 2016 they re known as rpo codes each code signifies an option you can find the list of codes for your car inside the glovebox door if it lists the code you have it if it doesn t you don t kta audio interface uqa speaker system premium audio branded with amplifier

radio chevrolet cruze ls 2014 system wiring diagrams - Dec 30 2022

web may 1 2020 radio wiring diagram with amplifier 1 of 3 get access all wiring diagrams car radio wiring diagram with amplifier 2 of 3 get access all wiring diagrams car radio wiring diagram with amplifier 3 of 3 get access all wiring diagrams car radio wiring diagram without amplifier 1 of 3

factory pioneer stereo system wiring chevrolet cruze forums - Mar 01 2023

web may 7 2018 does anyone have the diagram for the amp and stereo wiring i would like to instal different speakers and subs but need the wiring diagram for both the amp and stereo thanks

chevrolet cruze audio system wiring diagram - Sep 07 2023

web dec 4 2017 the wiring diagram for the chevrolet cruze audio system consists of five main components the main audio power line the auxiliary cable the power amplifier the ground earth cable and the rca cable

2017 chevrolet cruze stereo wiring diagram modifiedlife - Jun 04 2023

web our 2017 chevrolet cruze speaker wire guide shows you how to connect car speaker wires and helps you when your car

speaker wire not working it also shows you what car speaker wire to use which car speaker wire is positive and more
chevrolet radio stereo wiring diagrams modifiedlife - May 23 2022

web car radio wiring diagrams chevrolet having a chevrolet radio wiring diagram makes installing a car radio easy find the chevrolet stereo wiring diagram you need to install your car stereo and save time scroll down

chevrolet cruze service repair manuals free pdf - Jan 31 2023

web 2013 chevrolet cruze 1 4l 1 8l system wiring diagrams this ewd has been prepared to help inspection and service works involving electric wiring of the following model be done efficiently index automatic a c circuit chevrolet cruze 2010 chevrolet cruze body repair manual

2014 chevrolet cruze car audio wiring diagram modifiedlife - Oct 08 2023

web our 2014 chevrolet cruze radio wiring guide shows you how to connect car radio wires and helps you when your car radio wires not working it also shows you the car radio wire to battery which wire is positive what is car radio illumination wire and more

2017 chevy cruze stereo wiring diagram - Nov 28 2022

web apr 8 2011 below we have provided a few diagrams that outline the wiring for a double din stereo installation for the 2017 chevy cruze in conclusion for many drivers the addition of a quality car stereo can make a significant difference in the listening experience

2010 2016 chevrolet cruze service repair manual wiring diagrams - Apr 02 2023

web 2010 2016 chevrolet cruze service repair manual wiring diagrams this is a complete service manual contains all necessary instructions needed for any repair your vehicle may require general information dangers warnings and cautions general information vehicle diagnostic information vibration diagnosis and correction

speaker wire diagram chevrolet cruze forums - Mar 21 2022

web feb 28 2011 1 jan 3 2011 i need to know what color wires go where any help would be appreciated just need to know what speaker wires are postive and which ones are negative for front and rear of my 2011 cruze ltz with standard radio 6 speaker set up thanks larry reply quote 1 20 of 35 posts chevymgr 492 posts joined 2010 2 jan 4