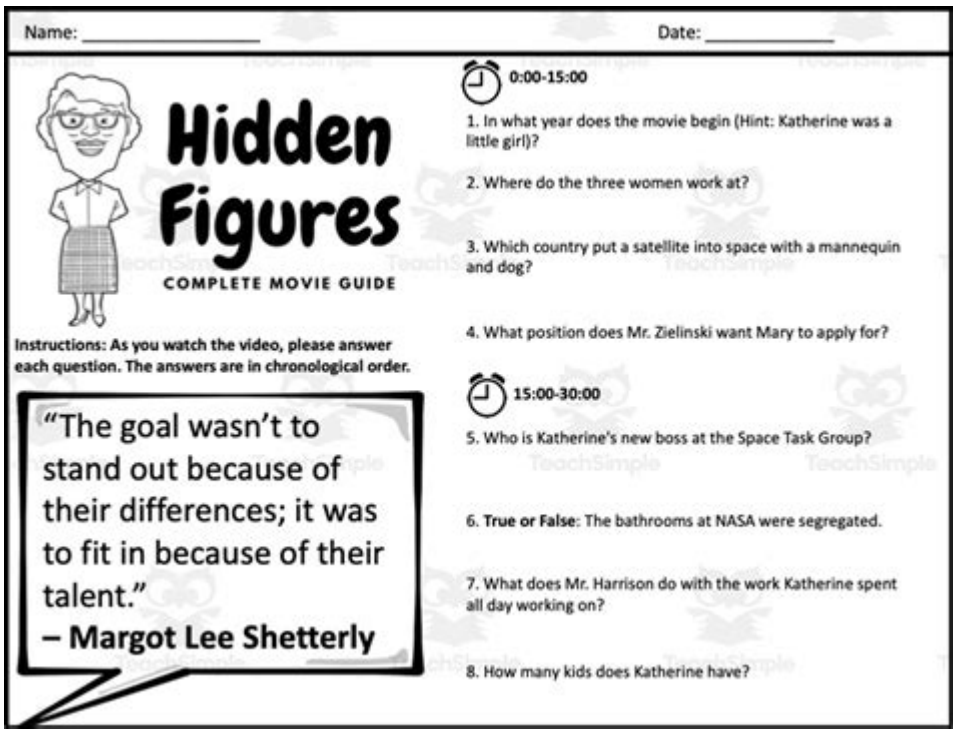
Hidden Figures Worksheet Answer Key


Name: _____ Date: _____

Hidden Figures

COMPLETE MOVIE GUIDE

Instructions: As you watch the video, please answer each question. The answers are in chronological order.

"The goal wasn't to stand out because of their differences; it was to fit in because of their talent."
– Margot Lee Shetterly

0:00-15:00

1. In what year does the movie begin (Hint: Katherine was a little girl)?

2. Where do the three women work at?

3. Which country put a satellite into space with a mannequin and dog?

4. What position does Mr. Zielinski want Mary to apply for?

15:00-30:00

5. Who is Katherine's new boss at the Space Task Group?

6. **True or False**: The bathrooms at NASA were segregated.

7. What does Mr. Harrison do with the work Katherine spent all day working on?

8. How many kids does Katherine have?

Hidden figures worksheet answer key is a significant tool for educators and students alike. It serves as a resource for verifying answers to exercises based on the film "Hidden Figures," which tells the inspiring true story of three African American women mathematicians who played pivotal roles at NASA during the early years of the U.S. space program. The film not only highlights their scientific contributions but also sheds light on the social and racial challenges they faced. Worksheets dedicated to this film can help students grasp the mathematical concepts and social issues presented, while the answer key ensures accuracy in their learning process. This article will explore the various aspects of the hidden figures worksheet answer key, including its purpose, structure, and the themes it covers.

The Purpose of Hidden Figures Worksheets

Worksheets based on "Hidden Figures" serve multiple educational purposes. Here are a few key objectives:

1. Enhance Comprehension: Worksheets encourage students to engage deeply with the film's narrative, understanding both the historical context and the mathematical principles involved.

2. Encourage Critical Thinking: By answering questions related to the film, students develop their analytical skills, learning to assess information critically.

3. Integrate STEM Learning: The worksheets often include mathematical problems that are grounded in the concepts presented in the film, reinforcing STEM education.

4. Promote Discussion: Teachers can use the worksheets to stimulate discussions about race, gender,

and the importance of diversity in STEM fields.

5. Facilitate Assessment: The answer key allows educators to evaluate student understanding and progress effectively.

Structure of the Hidden Figures Worksheets

The structure of a typical hidden figures worksheet can vary, but there are common elements that most share:

1. Movie Summary

The worksheet usually begins with a brief summary of the film, setting the stage for the questions that follow. This section may include key plot points, character descriptions, and historical context.

2. Comprehension Questions

These questions typically assess the students' understanding of the film's plot, characters, and themes. Questions might include:

- What challenges did Katherine Johnson face in her career?
- How did Mary Jackson advocate for herself and her colleagues?
- Why was Dorothy Vaughan's role as a supervisor significant?

3. Mathematical Problems

Since the film emphasizes mathematics, worksheets often include related problems. For example:

- Calculate the trajectory of a spacecraft given specific parameters (derived from the film's content).
- Solve problems that involve the use of geometry, algebra, or calculus, mirroring the types of calculations the characters performed.

4. Discussion Prompts

These prompts encourage students to think critically about the social issues presented in the film. Questions might include:

- Discuss the impact of segregation on the characters' work environments.
- How do the accomplishments of the women in the film inspire future generations in STEM?

5. Reflection Section

This part allows students to express their thoughts and feelings about the film, its characters, and the themes it presents. It can be a valuable tool for gauging personal growth and understanding.

The Hidden Figures Worksheet Answer Key

The answer key is an essential component of the educational process, providing students and teachers with verified responses to the worksheet questions. Here is a breakdown of what an answer key might include:

1. Answers to Comprehension Questions

The answer key would provide clear, concise answers to each comprehension question, such as:

- Katherine Johnson's Challenges: Katherine faced discrimination as a black woman in a male-dominated field, including limited access to workspaces and resources.
- Mary Jackson's Advocacy: Mary fought for her right to attend engineering classes, which were typically reserved for white men, ultimately becoming NASA’s first black female engineer.
- Dorothy Vaughan's Significance: Dorothy was instrumental in leading the group of black women mathematicians at NASA and was a pioneer in the field of computer programming, ensuring her team's success in the transition to electronic computing.

2. Solutions to Mathematical Problems

The answer key should include step-by-step solutions to the mathematical problems presented in the worksheets, demonstrating the correct methodology. For example:

- Trajectory Calculation: A solution might involve using a specific formula (like the trajectory formula for projectile motion) and providing a worked example that mirrors the calculations made by Katherine Johnson in the film.

3. Suggested Responses to Discussion Prompts

While the responses to discussion prompts may vary based on individual perspectives, the answer key can provide guiding thoughts or themes that students should consider. For example:

- Impact of Segregation: One may argue that segregation created barriers that hindered collaboration and innovation, affecting the efficiency and morale of the entire NASA team.
- Inspiration in STEM: The film demonstrates that determination and intelligence can overcome societal barriers, inspiring young people, especially girls and minorities, to pursue careers in STEM fields.

Benefits of Using Hidden Figures Worksheets in Education

Incorporating worksheets based on "Hidden Figures" into the curriculum offers various benefits:

1. Engagement: The film's compelling narrative and relatable characters make learning enjoyable and

relevant.

2. Interdisciplinary Learning: The combination of history, mathematics, and social studies fosters a holistic approach to education.

3. Empowerment: Highlighting the achievements of women and minorities in STEM empowers students from diverse backgrounds.

4. Skill Development: Students improve their critical thinking, problem-solving, and analytical skills through active engagement with the material.

5. Cultural Awareness: The film and its accompanying worksheets encourage discussions about race, gender equality, and the importance of diversity in all fields.

Conclusion

The hidden figures worksheet answer key is an invaluable resource for educators and students. It not only supports the learning process by providing accurate answers but also enhances engagement with the film's themes and concepts. By utilizing these worksheets, educators can foster an environment that promotes critical thinking, interdisciplinary learning, and cultural awareness, ultimately inspiring the next generation of innovators and leaders in STEM fields. The story of Katherine Johnson, Mary Jackson, and Dorothy Vaughan serves as a testament to the power of perseverance and the importance of inclusivity in science and technology, making it a vital part of modern education.

Frequently Asked Questions

What is the purpose of the 'Hidden Figures' worksheet?

The 'Hidden Figures' worksheet is designed to help students analyze themes, characters, and key events from the film, facilitating a deeper understanding of the historical context and contributions of African American women in NASA.

Where can I find the answer key for the 'Hidden Figures' worksheet?

The answer key for the 'Hidden Figures' worksheet can typically be found in educational resources, teacher's guides, or online platforms that provide teaching materials related to the film.

What topics are covered in the 'Hidden Figures' worksheet?

The worksheet usually covers topics such as the civil rights movement, the significance of mathematics in space exploration, and the personal stories of key figures like Katherine Johnson, Dorothy Vaughan, and Mary Jackson.

Who are the main figures discussed in the 'Hidden Figures' worksheet?

The main figures discussed are Katherine Johnson, Dorothy Vaughan, and Mary Jackson, highlighting their contributions to NASA and the challenges they faced as African American women in a segregated society.

How can teachers use the 'Hidden Figures' worksheet in the classroom?

Teachers can use the worksheet for group discussions, individual assignments, or as a basis for projects that explore themes of diversity, perseverance, and scientific achievement.

What skills can students develop by completing the 'Hidden Figures' worksheet?

Students can develop critical thinking, analytical skills, and historical awareness by reflecting on the film's content and its relevance to contemporary issues of equality and representation.

Is the 'Hidden Figures' worksheet suitable for all grade levels?

Yes, the 'Hidden Figures' worksheet can be adapted for various grade levels, with modifications in complexity and depth of analysis to suit younger or older students.

Are there any online resources available for the 'Hidden Figures' worksheet?

Yes, many educational websites offer downloadable versions of the 'Hidden Figures' worksheet along with answer keys and additional resources for teachers.

What educational standards does the 'Hidden Figures' worksheet align with?

The worksheet often aligns with Common Core Standards in English Language Arts and Social Studies, focusing on historical analysis, comprehension, and critical writing skills.

Can the 'Hidden Figures' worksheet be used for remote learning?

Absolutely, the worksheet can be easily adapted for remote learning by sharing it digitally with students, allowing for online discussions and presentations.

Find other PDF article:
https://soc.up.edu.ph/59-cover/Book?trackid=UIJ02-7903&title=the-fuzzy-duckling-little-golden.pdf

Hidden Figures Worksheet Answer Key

总有一个名称为hidden的信道跟着怎么解决？ - 知乎
Jun 5, 2023 · 刚开始发现的时候，网上搜了一下，他们说可能是被中继桥接了之类的，所以我就重置了路由器，换了名称，密码，然后把网络隐藏起来了，之后又看了一下，还是有那个hidden的跟着，还有就是比如2.4G的网络信道是在1， wifi分析仪 显示1信道只有3颗星，13信道满 ...

为什么MSVC中有些C++重载运算符需要友元标识符？ - 知乎
Feb 21, 2024 · 某位号称 20 年经验的答主，不了解的内容就不要硬答了，完全没必要强行编出来一些不成立的理由误导新人。把运算符重载写在类内并加以 friend 修饰是一个非常有名的 C++ 编码模式，名为 hidden friend idiom，翻译为中文大概是“隐藏友元模式”。

mac菜单栏太长，状态栏图标被隐藏了怎么显示出来？ - 知乎
Mac电脑 的菜单栏不像 Windows 系统一样会把图标自动隐藏起来，而是全部显示在那里。当开启的应用比较多的时候，菜单栏就会被很多图标占据，既不方便查找还非常影响美观。如果你希望 Mac 的菜单栏也能像 Windows 一样干净清爽，那么「iBar」这款软件你一定要试一试。可能大多数人更熟知的是 ...

为什么加了*overflow: hidden;*盒子就不居中了？ - 知乎
在CSS中，overflow: hidden; 本身并不会直接影响盒子的居中效果。如果你在应用了 overflow: hidden; 后发现盒子不再居中，可能是由于以下原因： 1.盒子的尺寸变化 当你设置 overflow: hidden; 时，可能会导致盒子的内容被裁剪，从而影响盒子的实际尺寸。如果盒子的尺寸发生了变化，而你没有相应地调整居 ...

如何理解 **LSTM** 中的 **cell state** 和 **hidden state? -** 知乎
LSTM神经元在时间维度上向后传递了两份信息: (1)cell state; (2)hidden state。hidden state是cell state经过一个神经元和一道“输出门”后得到的，因此hidden state里包含的记忆，实际上是cell state衰减之后的内容。

to hide vs to be hidden - WordReference Forums
Aug 24, 2022 · Hi all, when I hide myself (passive voice) what is the difference between to hide and to be hidden? An example: As children, we would hide from our parents. As children, we would be hidden from our parents. Thanks in advance.

神经网络*Linear*、*FC*、*FFN*、*MLP*、*Dense Layer*等区别是什么？
2.FC（全连接）： "FC" 表示全连接层，与 "Linear" 的含义相同。在神经网络中，全连接层是指每个神经元都与上一层的所有神经元相连接。每个连接都有一个权重，用于线性变换。以下是使用Keras库的示例代码:

为什么电脑每次关机都显示这个应用在阻止**？ -** 知乎
Jan 20, 2022 · 我们在使用完电脑，想要关闭的时候，总是会弹出“此应用程序正在阻止关机”的提示框，可以选择取消或关闭，但是每次都要手动点击就麻烦。这里小编就交给大家一个禁用这个提示的方法，感兴趣的小伙伴们可以接下去看哦。操作过程: 1、按Win + R键入regedit回车，打开注册表。导航到这 ...

如何理解深度学习源码里经常出现的**logits**？ - 知乎
tensorflow/tensorflowlogit原本是一个函数，它是sigmoid函数（也叫标准logistic函数） p (x) = \frac {1} {1+e^ {-x}} 的反函数: logit (p) = \log\left (\frac {p} {1-p}\right) 。logit这个名字的来源即为 log istic un it。但在深度学习中，logits就是最终的全连接层的输出，而非其本意。通常神经网络中都是先有logits，而后通过 ...

如何解决**Excel**移动或复制表格时一直弹窗的问题**-**百度经验
Apr 27, 2020 · 在Excel的使用过程中，我们可能会遇到在对一张工作表进行“移动或复制”操作时，Excel会提示名称已存在且点击“是”时，还会一直弹窗并不断重复名称已存在，这时我们无法对Excel进行下一步编辑，那么应该如何解决这个问题呢，方法如下:

总有一个名称为**hidden**的信道跟着怎么解决？ - 知乎
Jun 5, 2023 · 刚开始发现的时候，网上搜了一下，他们说可能是被中继桥接了之类的，所以我就重置了路由器，换了名称，密码，然后把网络隐藏起来了，之后又看了一下，还是有那个hidden ...

为什么MSVC中有些C++重载运算符需要友元标识符？ - 知乎

Feb 21, 2024 · □□□□ 20 □□□ □□□□□□□□□□□□□□□□□□□ friend □□□□ □□□□□□□□ C++ …

mac□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ - □□
Mac□□ □□□□□□□ Windows □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□ …

□□□□□□overflow: hidden;□□□□□□□□□□□□□ - □□
□CSS□□overflow: hidden; □□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□ overflow: hidden; □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 1.□ □□□□□□□ □□□□□ overflow: …

□□□□ *LSTM* □□ *cell state* □ *hidden state?* - □□
LSTM□□□□□□□□□□□□□□□□□□□□□□□□□□□□: (1)cell state; (2)hidden state□ hidden state□cell state□□□□□□□□□□□□□□“□□□”□□ □□□□□□hidden state□□□□□□□□□□□□□□□□□cell …

to hide vs to be hidden - WordReference Forums
Aug 24, 2022 · Hi all, when I hide myself (passive voice) what is the difference between to hide and to be hidden? An example: As children, we would hide from our parents. As children, we …

□□□□Linear□FC□FFN□MLP□Dense Layer□□□□□□□
2.FC□□□□□□□ "FC" □□□□□□□□□□□ "Linear" □□ □□□ □□□ …

□□□□□□□□□□□□□□□□□□□□□□□□□□□? - □□
Jan 20, 2022 · □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□□□□□□□□□□”□□□ □□□□□□□ …

□□□□□□□□□□□□□□□□□□□□□□□logits□ - □□
tensorflow/tensorflowlogit□□□□□□□□□□□□□□sigmoid□□□□□□□□logistic□□□□ p (x) = \frac {1} {1+e^ {-x}} □□□□□□ logit (p) = \log\left (\frac {p} {1-p}\right) □logit□□□□□□□□□□□□□ …

□□□□*Excel*□□□□□□□□□□□□□□□□□□□□□□□-□□□□□
Apr 27, 2020 · □Excel□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□”□□□□Excel□□□□□□□□□□□□□□□□“□”□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ …

Unlock the secrets of the "Hidden Figures" worksheet with our comprehensive answer key. Discover how to enhance your understanding today!

[Back to Home](#)