

Creating Online Math Quizzes on Kahoot! Platform

Objectives

By the end of this session, participants will be able to

1. **Understand** the complete process of creating a Kahoot quiz.
2. **Design engaging mathematics quizzes for various classes**
3. **Integrate** visuals and media to make our quizzes more interactive.
4. **Follow** a simple, step-by-step process to build a complete Kahoot quiz.
5. Enable teachers, students, and trainers to use this tool for teaching, practice, and entertainment
6. **Learn** how to share and host your finished quiz with your students.

Introduction

In the current education system, digital tools have added a new dimension to teaching methods. Where traditional quizzes and questionnaires were once limited to books, they have now been transformed into interactive games. **Kahoot!** is an online platform that involves students in learning entertainingly. It simplifies the process of teaching subjects like mathematics, science, and any other through play-based methods.

On Kahoot, operators can create multiple-choice questions as well as use interactive tools like **puzzles, polls, surveys, and brainstorming**. Some of these options are free, some others are available in paid plans.

Procedure

1. Creating an Account and Logging In

Before creating a quiz on Kahoot! the user must create an account.

- **Free Account:** Users can visit www.kahoot.com to create a free account. With this account, they can create multiple-choice questions, set timers, and view basic reports.
- **Paid Account:** In paid plans (such as Kahoot! + Start, Kahoot! + Premiere, or Education plans), users get additional options. These include:
 - Allowing more participants,
 - Question types like puzzles or drag-and-drop,
 - Advanced reports and analytics,
 - Custom branding (logos and themes).

After logging in, users land on their dashboard, from where they can create a new quiz or game.

2. Creating a New Quiz

Click on the “**Create**” button located at the top of the dashboard. Two options appear:

- Create a new quiz from scratch.

- Use a template (more templates available in paid plans).

Next, enter the quiz title, e.g., “*Class 10 Math Quiz /Any Topic.*” The user can also add instructions or a description.

3. Adding Questions

Kahoot! supports several types of questions.

- **Options in the Free Plan:**
 - **Multiple Choice:** Choose the correct option from four.
 - **True/False:** Yes/No type questions.
- **Additional Options in the Paid Plan:**
 - **Puzzle:** Arrange answers in the correct order.
 - **Word Cloud:** Display answers as words together on the screen.
 - **Poll:** Collect opinions from students.
 - **Brainstorm:** Share ideas collectively.
 - **Drag and Drop:** Place the answer in the correct location.

While adding each question, users can:

- Enter the question text.
- Provide up to four answer options.
- Mark the correct answer.
- Add an image or video clip (image addition is free, while video linking is more advanced in paid plans).

4. Setting Time and Points

Each question can have a different timer.

- **Free account:** Timer can be set between 5 and 60 seconds. So, we can set a time limit for each question according to the difficulty level of those questions.
- **Paid account:** Timer can be set up to 240 seconds.

Scoring System:

- In the free version, a basic point system is available.
- In paid plans, options like double points or no points are also available.

5. Presentation and Design

- **Free plan:** Themes and backgrounds are available. And you can select accordingly.
- **Paid plan:** Users can apply multiple colour schemes, designs, and add their institution’s logo or identity.

6. Saving and Sharing the Quiz

When the quiz is ready, click on “**Save**” or “**Done.**” Once saved, it can be used in two ways:

- **Live Game:** Students play in real time using a Game PIN.
- **Assign:** The quiz can be shared as a link so that students can attempt it at their own convenience. (This works better in paid and education plans.)

7. Results and Reports

- **Free account:** Users can view all correct and incorrect answers and download a basic report.
- **Paid account:** Detailed reports are available, showing each student’s performance, average time taken, and analysis of the most difficult questions.

Summary

Kahoot! is a highly effective tool that makes mathematics and other subjects quizzes exciting and interactive. Not only can you create an interactive quiz for any subject, but you can also create an interactive quiz with the help of Kahoot. With a free account, basic quizzes can be easily created, making it useful for beginners or for every group. Paid plans offer additional features like puzzles, word clouds, and advanced time settings. This tool not only helps with memory retention but also boosts student participation and eagerness.

Conclusion

The **Kahoot!** platform presents a simple and effective digital solution that makes teaching and assessment easier and more engaging. By using it, teachers can integrate digital innovations with traditional classroom teaching, thereby enhancing both understanding and interest in the subject. This platform encourages students to actively participate in the learning process, contributing significantly to their academic and social development.

References

- **"Number Nirvana | Kahoot Quiz | Middle School - 6th to 8th"**
Explains live math quizzes and presentations in Hindi, showing question levels and formats. (YouTube: *Shree Swaminarayan Gurukul*)
- **"Kahoot quiz app kaise use kare? App Kaise Use Kare? (Hindi)"**
Explains how to create quizzes, add questions, share, and play in Kahoot! app in Hindi. (YouTube: *App Sathi*)

- **"How to play Kahoot Quiz on a mobile app | quiz in Hindi"**
Demonstrates quiz creation, editing, adding time and images, etc. (YouTube: *Smarter Each day with Priyanka*)
- **"Webinar On ICT Tools: Creating Quiz using Kahoot (Hindi)"**
A webinar for teachers demonstrating quiz creation on a computer and browser, covering both basic and advanced settings. (YouTube: *CIET NCERT*)
- **Kahoot! (n.d.).** *Create a quiz.* Retrieved from <https://create.kahoot.it>
- **ISTE. (2018).** *ISTE Standards for Educators.* Retrieved from <https://www.iste.org/standards/for-educators>
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video link - <https://youtu.be/CWTuJXK6ka0>