

Past and present tense verbs first grade Updated Version

Past and present tense verbs first grade is an essential topic in early language development, helping young learners grasp the basics of how actions are expressed in different time frames. Teaching first graders about past and present tense verbs lays a strong foundation for their future reading, writing, and communication skills. In this article, we will explore effective strategies, engaging activities, and helpful tips to make learning about tense verbs both fun and educational for first-grade students.

Understanding Past and Present Tense Verbs

What Are Verbs?

Verbs are action words that describe what someone or something does. They are an integral part of a sentence, providing information about actions, occurrences, or states of being. For example, words like "run," "jump," and "think" are verbs.

The Importance of Tense

Tense tells us when an action happens?whether it is happening now, happened in the past, or will happen in the future. Understanding tense helps children communicate clearly and understand stories better.

Defining Past and Present Tense

- Present tense describes actions happening now or regularly. For example, "I walk to school."
- Past tense describes actions that have already happened. For example, "I walked to school yesterday."

Teaching Past and Present Tense Verbs to First Graders

Why Focus on First Grade?

First grade is a pivotal time for language development. Children are expanding their vocabulary and beginning to understand grammatical concepts like tense. Introducing these concepts early ensures they develop good language habits.

Strategies for Teaching Tense Verbs

- Use visual aids like charts showing verb forms.
- Incorporate storytelling to illustrate different tenses.
- Use repetition and practice through engaging activities.
- Relate verbs to students' daily experiences.

Common Challenges and How to Overcome Them

First graders may find it tricky to understand that verbs change form depending on tense. To address this:

- Provide clear examples.
- Use consistent language.
- Break down the concept into simple, manageable parts.
- Offer plenty of practice with both regular and irregular verbs.

Activities and Resources for Teaching Past and Present Tense Verbs

1. Verb Tense Sorting Game

Objective: Help students distinguish between past and present tense verbs.

Materials: Word cards with verbs in their base, past, and present forms.

Instructions:

- Prepare cards with verbs like "walk," "walked," "walking," "run," "ran," "running."
- Students sort the cards into two piles: past tense and present tense.
- Discuss the patterns (e.g., adding -ed for regular past tense).

2. Verb Tense Flip Book

Objective: Visualize verb forms.

Materials: Small notebook or folded paper.

Instructions:

- Each page features a verb in its base form, past tense, and present tense.
- Students create their own flip books, writing or drawing examples.
- Use during reading or writing activities for reinforcement.

3. Storytelling with Tense Changes

Objective: Practice using verbs in different tenses.

Instructions:

- Read a simple story aloud.
- Pause and ask students to identify verbs and tell whether they are past or present.
- Have students retell the story changing the tense of the verbs.

4. Tense Verb Bingo

Objective: Reinforce understanding of tense forms.

Materials: Bingo cards with verbs in different tenses.

Instructions:

- Call out a verb in either past or present tense.
- Students mark the corresponding form on their cards.
- Winners shout "Bingo!"

5. Writing Sentences Practice

Objective: Use verbs correctly in context.

Instructions:

- Provide sentence starters like "Yesterday, I ____" or "Today, I ____."
- Students fill in the blanks with appropriate past or present tense verbs.
- Share sentences with the class for feedback.

Tips for Effective Teaching of Tense Verbs

- **Use Daily Language:** Incorporate tense verbs into daily routines and conversations.
- **Model Correct Usage:** Consistently use correct tense forms during instruction and feedback.
- **Provide Clear Examples:** Use familiar and simple sentences to demonstrate tense changes.
- **Make It Hands-On:** Engage students with games, crafts, and interactive activities.
- **Differentiate Instruction:** Adjust activities based on students' understanding levels.
- **Offer Repetition:** Revisit tense concepts regularly to reinforce learning.

Assessing Understanding of Past and Present Tense Verbs

Formal Assessments

- Quizzes with sentence correction.
- Verbal assessments asking students to identify tense.
- Writing prompts requiring use of past and present tense.

Informal Assessments

- Observations during activities.
- Class discussions.
- Student self-assessment and peer feedback.

Integrating Tense Verb Learning Into the Curriculum

Cross-Disciplinary Activities

- Reading stories and identifying tense.
- Writing journal entries about daily activities.
- Creating timelines of personal events.

Using Technology

- Interactive games and apps focused on verb tenses.
- Digital storytelling projects.
- Virtual flashcards and quizzes.

Conclusion

Teaching past and present tense verbs in first grade is a fundamental step in developing young learners' language skills. By understanding the rules, engaging in fun activities, and practicing regularly, first graders can confidently use tense verbs to communicate clearly and effectively. Remember, patience and consistency are key. With the right strategies and resources, educators can make learning about tense verbs an enjoyable and rewarding experience for their students, setting a solid foundation for future language mastery.

Past and Present Tense Verbs First Grade

Understanding past and present tense verbs is a fundamental step in a first grader's language development. These concepts form the basis for more complex grammar skills and help young learners communicate effectively about actions happening now or those that occurred previously. Introducing these tenses to first graders requires engaging, age-appropriate strategies that make learning both fun and meaningful. This article explores the key features, teaching methods, common challenges, and resources related to teaching past and present tense verbs to first-grade students.

Introduction to Tense in First Grade

In first grade, students are just beginning to grasp the idea that verbs change form depending on when an action happens. The core concept is simple: present tense describes what is happening now, and past tense talks about what has already happened. Mastering these tenses helps children tell stories, answer questions, and improve their overall language fluency. Teachers aim to introduce these concepts gradually, emphasizing understanding and correct usage rather than complex grammatical rules.

Understanding Present Tense Verbs

Definition and Examples

Present tense verbs denote actions that are occurring at the moment of speaking or are generally true. For example, "I walk to school," "She plays with her friends," or "The sun rises in the morning." Present tense is often the first tense introduced because it's most relevant to a child's everyday experiences.

Features of Present Tense Verbs

- Usually, the base form of the verb is used (e.g., run, play, eat).
- For third-person singular (he, she, it), an "-s" or "-es" is added (e.g., runs, plays, watches).
- It's used for routines, facts, and current actions.

Teaching Strategies for Present Tense

- Use of Daily Routines: Incorporate verbs from daily activities like ?brush,? ?eat,? or ?sleep.?
- Interactive Games: Play verb matching or action charades to reinforce understanding.
- Sentence Construction Activities: Have students write or say sentences about their day using present tense verbs.
- Visual Aids: Use pictures or flashcards depicting actions with corresponding verbs.

Understanding Past Tense Verbs

Definition and Examples

Past tense verbs describe actions that have already happened. Examples include ?played,? ?ran,? ?jumped,? or ?saw.?. The key feature is the change in the verb to indicate a completed action.

Features of Past Tense Verbs

- Most regular verbs form the past tense by adding ?-ed? (e.g., jump ? jumped, walk ? walked).
- Irregular verbs do not follow the ?-ed? rule and must be memorized (e.g., go ? went, see ? saw).
- Past tense is used to narrate stories, describe experiences, or answer ?what happened?? questions.

Teaching Strategies for Past Tense

- Storytelling and Retelling: Have students recount past events using past tense verbs.
- Matching Games: Match present tense verbs with their past tense forms.
- Memory and Practice: Use worksheets or flashcards focused on irregular verbs.
- Role-Playing: Act out scenarios that involve past actions to reinforce correct verb forms.

Common Challenges in Teaching Tense to First Graders

While the concepts of past and present tense are straightforward, young learners often face certain challenges:

- **Irregular Verbs:** Memorizing irregular forms can be confusing, as they don't follow standard rules.

- **Verb Agreement:** Applying ?-s? or ?-ed? correctly may be tricky, especially for learners still developing phonetic skills.
- **Overgeneralization:** Students might overapply rules, such as saying ?goed? instead of ?went.?
- **Limited Vocabulary:** Young children may have a limited range of verbs, making practice more difficult.

Strategies to Overcome Challenges:

- Use lots of visual aids and gestures to reinforce correct forms.
- Provide frequent, varied practice opportunities.
- Introduce irregular verbs gradually and in context.
- Offer positive reinforcement and patience as students experiment with verb forms.

Resources and Materials for Teaching Past and Present Tense

Effective teaching tools can make a significant difference in helping first graders grasp tense concepts:

- **Interactive Games:** Online or classroom-based games like ?Verb Bingo? or ?Tense Treasure Hunt.?
- **Storybooks:** Age-appropriate books that emphasize past and present tense verbs in context.
- **Worksheets:** Fill-in-the-blank exercises, matching activities, and sentence construction tasks.
- **Songs and Rhymes:** Memorable tunes that reinforce tense forms, such as ?The Past and Present Song.?
- **Flashcards:** Visual representations of verbs in different tenses for quick review and practice.

Assessing Understanding of Past and Present Tense

Assessment in first grade should be engaging and non-intimidating. Some effective methods include:

- **Oral Quizzes:** Asking students to describe their activities today or yesterday.
- **Writing Prompts:** Simple sentences or short stories using past or present tense verbs.
- **Observation:** Monitoring students during activities and providing immediate feedback.
- **Worksheets:** Completing sentences with correct tense verbs.

It's important to provide constructive feedback and celebrate progress, fostering confidence and motivation.

Integrating Tense Learning into Broader Language Skills

Teaching past and present tense verbs isn't isolated; it's part of developing overall language proficiency. Teachers can integrate tense practice into:

- Vocabulary Building: Expanding verb vocabulary through thematic units.
- Storytelling and Creative Writing: Encouraging students to tell stories about their experiences.
- Reading Comprehension: Identifying tense usage in age-appropriate texts.
- Conversation Practice: Role-playing scenarios that require switching between tenses.

Conclusion

Introducing and mastering past and present tense verbs in first grade lays a vital foundation for future language development. While young learners face certain challenges, engaging, context-rich activities and consistent practice can foster a solid understanding of these grammatical concepts. Educators should aim to make learning interactive, fun, and relevant, helping children see the connection between language and their daily lives. With patience and creativity, teaching past and present tense verbs can be a rewarding experience that promotes confidence, communication skills, and a love for language.

Features Summary:

Pros of Teaching Past and Present Tense to First Graders:

- Builds a strong grammatical foundation.
- Enhances storytelling and communication skills.
- Supports reading comprehension through understanding verb usage.
- Encourages active participation through games and activities.

Cons or Challenges:

- Irregular verbs require memorization and may cause confusion.
- Young children may struggle with verb endings and agreement rules.
- Overgeneralization can lead to common errors like "goed" instead of "went".
- Limited vocabulary may restrict practice opportunities.

By understanding these aspects and employing effective strategies, educators can successfully introduce first graders to the essential concepts of past and present tense verbs, setting the stage

for more advanced grammar skills in later grades.

Question What is a past tense verb? A past tense verb shows that an action happened before now, like 'walked' or 'jumped.' How do you change a present tense verb to past tense? Usually, you add '-ed' to the verb, like 'play' becomes 'played,' but some words are irregular and change differently. Can you give an example of a present tense verb and its past tense form? Yes! 'Run' in present tense becomes 'ran' in past tense. Why is it important to learn about past and present tense verbs? Learning these helps us tell stories about what happened before and what is happening now. What is an easy way to practice past and present tense verbs? You can read stories and find verbs that show actions happening now or already happened, then try changing them from present to past tense.

Related keywords: past tense verbs, present tense verbs, first grade grammar, verb conjugation, verb tense practice, simple verbs, teaching verbs, elementary grammar, verb forms, basic language skills

Pixl Maths Papers Grade Boundaries

pixl maths papers grade boundaries are a crucial aspect for students, teachers, and parents navigating the GCSE examination process. Understanding how grade boundaries are determined and what they mean for exam performance can help students set realistic goals, prepare effectively, and interpret their results accurately. In this comprehensive guide, we will explore the concept of grade boundaries in PIXL Maths papers, how they are calculated, and how to use this information to maximize success in your exams.

What Are Pixl Maths Papers Grade Boundaries?

Grade boundaries in Pixl Maths papers refer to the minimum marks required to achieve a specific grade. These boundaries are set by exam boards after the exams are marked, based on various statistical analyses, to ensure fairness and consistency across different exam sessions. They serve as a threshold system: if a student scores above a certain mark, they will be awarded the corresponding grade.

Why Are Grade Boundaries Important?

- **Assessment of Performance:** Grade boundaries provide a clear benchmark to assess student achievement relative to their peers.

- **Understanding Results:** They help students interpret their raw scores, understanding whether they have met the criteria for their target grades.
- **Preparation Planning:** Knowledge of grade boundaries can influence revision strategies, focusing on areas that are more likely to push scores into higher grade brackets.
- **Fairness and Standardization:** They ensure that results are comparable across different exam sessions, accounting for variations in exam difficulty.

How Are Pixl Maths Grade Boundaries Calculated?

Grade boundaries are not arbitrary; they are based on rigorous statistical analysis of exam performance. The process involves multiple steps:

1. Post-Exam Marking and Data Collection

After exams are completed, examiners mark the scripts and record the raw scores for each student. This data collection forms the foundation for analysis.

2. Standard Setting and Statistical Analysis

Qualified experts and examiners analyze the data to determine the distribution of scores. They consider factors such as:

- Overall exam difficulty
- Student performance trends
- Historical data from previous years

Using statistical methods, they establish cut-off points that differentiate between grades.

3. Adjustments for Fairness

To ensure fairness, adjustments may be made to account for variations in exam difficulty or unexpected events. The goal is to maintain consistency in grading standards year after year.

4. Publication of Grade Boundaries

Once finalized, exam boards publish grade boundaries online, often shortly after results are released, providing transparency for students and educators.

Typical Grade Boundaries for Pixl Maths Papers

While grade boundaries can fluctuate annually based on exam difficulty and student performance, typical ranges can serve as helpful benchmarks. Below is an overview of approximate grade boundaries based on historical data for Pixl GCSE Maths papers:

Foundation Tier (Grades 1-5)

- Grade 1: 10-20 marks
- Grade 2: 21-30 marks
- Grade 3: 31-40 marks
- Grade 4: 41-50 marks
- Grade 5: 51-60 marks

Higher Tier (Grades 4-9)

- Grade 4: 55-65 marks
- Grade 5: 66-75 marks
- Grade 6: 76-85 marks
- Grade 7: 86-95 marks
- Grade 8: 96-105 marks
- Grade 9: 106-115+ marks

Note: These are approximate figures; actual boundaries vary annually. Always check the official grade boundary releases for precise information.

How to Use Pixl Maths Grade Boundaries Effectively

Understanding grade boundaries is just the first step. Here's how students can leverage this knowledge for better exam preparation and interpretation:

1. Set Realistic Targets

Based on your current performance and the known grade boundaries, set achievable goals for each exam. For example, if you aim for a Grade 5, plan to score at least 55-60 marks.

2. Focus on Marginal Areas

Identify which questions or topics tend to be borderline for your target grade. Focus revision on these areas to push your scores higher.

3. Use Past Papers and Mark Schemes

Practicing with past Pixl Maths papers helps you familiarize yourself with question styles and difficulty levels, giving you a sense of where your scores stand relative to grade boundaries.

4. Analyze Your Mock Results

Compare your mock exam scores with the grade boundaries to determine how close you are to your target grades. This can guide your revision priorities.

5. Stay Informed

Keep an eye on official updates from Pixl and other exam boards regarding grade boundary changes each year to adapt your expectations and strategies accordingly.

Tips for Achieving Higher Grades in Pixl Maths Exams

Achieving a higher grade boundary requires strategic preparation. Here are some tips:

Practice Regularly

Consistent practice with past papers improves problem-solving speed and accuracy, essential for maximizing marks.

Identify Weak Areas

Use feedback from mock exams and practice papers to focus revision on topics where you lose the most marks.

Master Key Concepts and Techniques

Solid understanding of fundamental concepts and formulae enables quicker problem-solving and reduces mistakes.

Time Management Skills

Practice completing papers within the allotted time to ensure you can attempt all questions confidently.

Seek Help When Needed

Don't hesitate to ask teachers or tutors for clarification on difficult topics, ensuring your understanding is thorough.

Conclusion

Pixl Maths papers grade boundaries are a vital component of GCSE assessment that help define the standards required for each grade. While these boundaries can fluctuate annually, understanding how they are set and what they mean for your performance can significantly influence your revision approach and exam strategy. By practicing past papers, setting realistic goals, and staying informed about official grade boundary releases, students can optimize their chances of achieving their desired grades. Remember, success in GCSE Maths is not just about crossing a specific boundary but about consistent effort, strategic preparation, and a clear understanding of the grading standards.

Always refer to the official Pixl website or your exam centre for the most current grade boundary figures and updates. With the right preparation and awareness, you can confidently aim for the grades you aspire to and demonstrate your full potential in your Pixl Maths exams.

Pixl Maths Papers Grade Boundaries: A Comprehensive Guide for Students and Educators

Understanding the Pixl Maths papers grade boundaries is essential for students aiming to gauge their performance accurately and for teachers preparing students effectively. Grade boundaries serve as the benchmark scores that determine whether a student receives a particular grade, such as a pass, merit, or distinction. With the evolving nature of assessment standards and the unique structure of Pixl qualifications, it is crucial to analyze how these boundaries are set, what factors influence them, and how students can interpret them to better prepare for their exams. This guide provides an in-depth look into Pixl Maths papers grade boundaries, offering insights, practical tips, and a detailed breakdown to help both students and educators navigate this important aspect of the assessment process.

What Are Pixl Maths Papers Grade Boundaries?

Definition and Purpose

Grade boundaries for Pixl Maths papers are the minimum scores required to achieve specific grades in the qualification. They are not fixed and can vary year by year depending on several factors, including the difficulty level of the exam and overall student performance.

How Are Grade Boundaries Determined?

The process of setting grade boundaries involves a combination of statistical analysis and examiner

judgment. Typically, the awarding body, in this case, Pixl, conducts a standard-setting process that considers:

- Exam difficulty: If an exam is particularly challenging, grade boundaries may be adjusted downward to reflect the higher difficulty.
- Candidate performance: The distribution of marks achieved by all students influences where boundaries are set.
- Historical data: Past performance data helps inform where boundaries should lie to maintain consistent standards over time.
- Standardization: Ensuring fairness and consistency across different exam sessions and cohorts.

When Are Grade Boundaries Released?

Pixl usually publishes the grade boundaries shortly after the exam series concludes and the marking process is complete. This typically occurs within a few weeks, providing students and teachers with clarity on performance standards.

The Importance of Understanding Grade Boundaries

For Students

- Performance Assessment: Knowing grade boundaries helps students understand how well they need to perform to achieve their target grade.
- Effective Revision: By analyzing previous boundaries, students can identify the level of accuracy required in their responses.
- Goal Setting: Clear boundaries enable students to set realistic goals and focus their revision efforts.

For Educators

- Assessment Planning: Teachers can design lessons and practice questions aligned with current grade boundary standards.
- Feedback & Support: Understanding boundaries allows for better feedback and targeted interventions for students near the pass or merit thresholds.
- Data Analysis: Comparing cohort performance against boundaries helps assess the effectiveness of teaching strategies.

Trends and Insights in Pixl Maths Grade Boundaries

Variability Over Years

Grade boundaries tend to fluctuate annually due to varying exam difficulties and student performances. For example:

- In some years, boundaries for a Grade 4 (standard pass) may be set around 50%, while in others, they might be higher or lower depending on exam difficulty.
- The boundaries for higher grades like Grade 7 or 8 are generally more stable but can still shift slightly.

Impact of Exam Style and Content

Changes in exam style, such as increased emphasis on problem-solving or application-based questions, can influence the grade boundaries. More challenging questions may lower the boundaries needed for passing grades, while raising the bar for top grades.

Comparing Pixl to Other Exam Boards

While each awarding body sets its own boundaries, Pixl's standards are generally aligned with other GCSE Maths exam boards. However, students should always consult the specific boundaries published for their exam series to ensure accurate understanding.

How to Find the Latest Pixl Maths Papers Grade Boundaries

Official Sources

- Pixl's Exam Website: The most reliable and up-to-date information is available directly from Pixl's official website or the exam administration portal.
- Published Reports: After each exam series, Pixl publishes grade boundaries in official reports accessible to schools and students.

School Support

- Teachers and school exam officers often have access to grade boundary data and can provide insights tailored to specific cohorts.
- Many schools also distribute grade boundary information through revision sessions or exam prep materials.

Online Resources and Forums

- Educational forums and revision sites often compile and discuss recent grade boundaries, especially post-exam.
- However, always verify the authenticity of this information against official sources.

Practical Tips for Students: Making the Most of Grade Boundary Information

- Review Past Boundaries: Analyze previous years' grade boundaries to understand the level of detail and accuracy needed.
- Practice under Exam Conditions: Simulate exam conditions to improve your ability to reach or surpass the required score thresholds.
- Identify Weak Areas: Use boundary data to identify topics where you need to improve, especially if your scores are close to the boundary.
- Set Realistic Goals: Based on current performance and boundary data, set achievable targets for each exam attempt.
- Stay Updated: Always check the latest grade boundaries published after your exam series to evaluate your performance accurately.

Interpreting Grade Boundaries: A Step-by-Step Guide

Step 1: Find the Boundary Scores

Locate the official grade boundary scores for your exam series, including the marks required for each grade.

Step 2: Match Your Raw Score

Compare your raw score (the number of marks obtained) to these boundaries.

Step 3: Determine Your Grade

- If your score is equal to or above the boundary for a particular grade, you can expect to receive that grade.
- If your score is just below a boundary, consider the margin and your potential to improve in future attempts.

Step 4: Plan Next Steps

- Above the Boundary: Celebrate your success and consider higher-grade aspirations.
- Below the Boundary: Identify areas for improvement and plan targeted revision strategies.

Future Outlook and Considerations

Continuous Standard-Setting

Pixl and other exam boards continually refine their standard-setting processes to ensure fairness and maintain standards. As assessments evolve, so too will the grade boundaries.

Impact of External Factors

Factors such as disruptions (e.g., exam cancellations or shifts to online assessments) can influence grade boundaries, sometimes leading to adjustments to account for differing exam conditions.

Preparing for Variability

Students should focus on mastering core concepts and practicing consistently, rather than relying solely on historical grade boundary data, as boundaries can shift based on exam difficulty and cohort performance.

Conclusion

The Pixl Maths papers grade boundaries are a vital component in understanding exam performance and setting realistic academic goals. While they fluctuate annually based on multiple factors, understanding how they are set and how to interpret them empowers students to approach their assessments with confidence. By staying informed through official sources, analyzing past boundaries, and practicing effectively, students can optimize their chances of achieving their desired grades. Educators, in turn, can leverage this knowledge to tailor instruction and support, ensuring that learners are well-prepared to meet or exceed the standards set by Pixl. Ultimately, a thorough grasp of grade boundaries enhances transparency and fairness in the assessment process, fostering a more motivating and equitable environment for GCSE Maths candidates.

QuestionAnswer What are Pixl maths papers grade boundaries for 2023? Pixl maths papers grade boundaries for 2023 vary depending on the exam series and are typically released by the exam board shortly after results are published. It's best to check the official Pixl or exam board website for the most accurate and up-to-date grade boundaries. How do Pixl maths paper grade boundaries compare to other exam boards? Pixl grade boundaries are generally comparable to other exam boards like Edexcel or AQA, but slight variations can occur. It's important to refer to the official grade boundaries for each exam series for precise information. Where can I find official Pixl maths paper grade boundaries? Official Pixl maths paper grade boundaries are published on the

Pixl website and the specific exam board's results portal shortly after the exams are marked and results are released. How are Pixl maths grade boundaries calculated? Grade boundaries for Pixl maths papers are determined by the exam board based on the distribution of marks, difficulty of the paper, and statistical analysis to ensure fair grading standards across different exam sessions. What is the typical grade boundary for a grade 5 in Pixl maths papers? While it varies each year, a grade 5 in Pixl maths papers often requires approximately 60-65% of the total marks, but students should consult the specific grade boundary for their exam series for exact figures. Can students estimate their grade based on Pixl maths paper grade boundaries? Students can estimate their likely grade by comparing their raw scores to the published grade boundaries, but only official results confirm the final grade. Are Pixl maths grade boundaries adjusted for different tiers (foundation or higher)? Yes, Pixl maths papers often have separate grade boundaries for foundation and higher tiers, reflecting the different levels of difficulty and mark schemes. How do I interpret Pixl maths paper grade boundaries after receiving my results? You can compare your raw score to the published grade boundaries to see what grade you have achieved. If your score is close to the boundary, it indicates a borderline grade, and you can review the official grade boundary chart for clarity. Are Pixl maths paper grade boundaries predictable for future exams? While historical data can provide some insight, grade boundaries can vary each year based on exam difficulty and statistical analysis, so they are not entirely predictable.

Related keywords: pixl maths papers, grade boundaries, PIXL exam scores, PIXL GCSE maths, PIXL grading criteria, PIXL assessment thresholds, PIXL exam results, GCSE maths grade boundaries, PIXL marking scheme, PIXL exam papers

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