

MOTIVATION FOR ABACUS STUDIES AND SCHOOL MATHEMATICS Tutorial

Motivation for abacus studies and school mathematics is a critical factor that influences students' learning experiences, academic success, and overall development in numerical literacy. In today's educational landscape, fostering motivation for mathematics and abacus training can significantly enhance students' confidence, problem-solving skills, and cognitive abilities. This article explores the various facets of motivation in abacus studies and school mathematics, highlighting its importance, benefits, and strategies to cultivate a genuine interest in these essential subjects.

Understanding the Importance of Motivation in Mathematics and Abacus Studies

Why Motivation Matters

Motivation serves as the driving force behind a student's engagement with learning. When students are motivated, they are more likely to put in effort, persist through challenges, and attain higher achievement levels. In mathematics, which many students find intimidating or difficult, motivation can be the key to transforming apprehension into enthusiasm.

Specifically, in abacus studies, motivation helps students develop a keen interest in mental calculation techniques, which can improve their overall mathematical proficiency. Motivated learners tend to practice more regularly, leading to mastery and confidence.

The Impact of Motivation on Learning Outcomes

Research indicates that motivated students display:

- Enhanced problem-solving skills
- Better retention of concepts
- Higher academic performance
- Increased interest in advanced math topics
- Improved cognitive development, such as concentration and memory

For abacus students, motivation accelerates their ability to perform mental calculations quickly and accurately, which can translate into improved performance across all areas of mathematics.

Benefits of Abacus Studies and School Mathematics

Developing Cognitive Skills

Abacus training is renowned for its positive impact on cognitive development. It enhances:

- Concentration and attention span
- Memory and visualization skills
- Logical thinking and reasoning
- Numerical fluency and mental calculation abilities

These skills are foundational for success in school mathematics and beyond.

Building Confidence and Reducing Math Anxiety

Many students experience math anxiety, which hampers their performance. Successful engagement with abacus studies can boost self-confidence, making math more approachable and less intimidating. As students see their progress and mastery, their motivation and self-efficacy grow.

Preparing for Competitive Exams and Future Education

Strong mathematical skills are vital for excelling in competitive exams and pursuing careers in STEM fields. Abacus training provides students with a competitive edge by sharpening their mental calculation skills and fostering a love for problem-solving.

Strategies to Enhance Motivation for Abacus and Mathematics Learning

Creating an Engaging Learning Environment

An inspiring classroom or home study setting encourages curiosity and participation. Incorporate colorful abacus tools, visual aids, and interactive activities to make learning fun.

Setting Achievable Goals and Celebrating Progress

Break down complex topics into manageable milestones. Recognize and reward students' achievements to reinforce their motivation. For example:

- Completing a set of exercises

- Mastering a specific calculation technique
- Participating in competitions or assessments

Using Gamification and Technology

Leverage educational games, apps, and online platforms that make learning math and abacus skills engaging. Gamification introduces an element of fun and competition, motivating students to practice more.

Providing Real-Life Applications

Connecting mathematical concepts and abacus skills to everyday life helps students see relevance and purpose. For example:

- Calculating expenses during shopping
- Measuring ingredients in cooking
- Understanding time and distance in travel

This contextualization boosts motivation by demonstrating practical benefits.

Encouraging Peer Learning and Competition

Group activities, peer tutoring, and friendly competitions foster a supportive learning community, motivating students to improve and excel.

Overcoming Challenges and Maintaining Motivation

Addressing Math Anxiety

Some students feel overwhelmed by math. Teachers and parents should provide reassurance, patience, and positive reinforcement to help students overcome fears.

Personalizing Learning Experiences

Recognize individual learning styles and tailor instructions accordingly. Personalization helps students experience success and stay motivated.

Maintaining Consistency and Routine

Regular practice and structured schedules foster discipline and continuous progress, sustaining

motivation over time.

The Role of Parents and Educators in Motivating Students

Parents? Role

Parents can motivate their children by:

- Providing a supportive learning environment
- Encouraging curiosity and questions
- Celebrating achievements, big or small
- Modeling positive attitudes towards math

Educators? Role

Teachers can foster motivation by:

- Using varied teaching methods
- Setting personalized goals
- Incorporating technology and games
- Providing constructive feedback and encouragement

Conclusion

Motivation for abacus studies and school mathematics is a cornerstone for nurturing confident, skilled, and enthusiastic learners. By understanding its importance and implementing effective strategies, educators and parents can inspire students to develop a lifelong love for mathematics. The benefits extend beyond academic achievement, fostering cognitive development, problem-solving abilities, and a positive attitude towards learning that can serve students well throughout their lives. Cultivating motivation is an ongoing process that requires patience, creativity, and support, but the rewards are well worth the effort, paving the way for future success in education and beyond.

Motivation for Abacus Studies and School Mathematics

In an era where technological advancements and rapid information processing define success, the importance of foundational skills such as mathematics cannot be overstated. The motivation for abacus studies and school mathematics extends beyond mere academic achievement; it encompasses cognitive development, problem-solving skills, confidence building, and preparing

learners for a competitive global landscape. This article explores the multifaceted reasons behind promoting abacus education and traditional school mathematics, shedding light on their roles in shaping capable, confident thinkers of tomorrow.

The Significance of Mathematical Skills in Modern Education

Building Cognitive Foundations

Mathematics forms the backbone of logical reasoning and analytical thinking. From early childhood, engaging with mathematical concepts helps develop cognitive skills like memory, attention, and spatial reasoning. The abacus, as an ancient calculating tool, plays a crucial role in fostering these mental faculties by providing a tactile and visual approach to number processing.

Enhancing Problem-Solving Abilities

Mathematics teaches students to approach complex problems systematically. Whether solving equations or analyzing data, learners cultivate critical thinking skills that are applicable across disciplines. The motivation for school mathematics often stems from its capacity to empower students to tackle real-world challenges effectively.

Preparing for Technological Integration

In today's digital age, understanding mathematical principles is essential for engaging with technology, coding, data analysis, and engineering. Early exposure through abacus training and school mathematics ensures that students are not only consumers of technology but also potential innovators.

The Unique Advantages of Abacus Studies

Developing Mental Calculation Skills

One of the core motivations for incorporating abacus training is its proven ability to enhance mental calculation capabilities. Unlike traditional rote memorization, abacus exercises involve visualizing the bead movement, which strengthens the brain's ability to perform calculations mentally.

Improving Concentration and Patience

Regular abacus practice demands focused attention and patience, qualities that are transferable to other academic pursuits. The repetitive nature of abacus exercises fosters discipline, perseverance, and a growth mindset among learners.

Stimulating Both Hemispheres of the Brain

Scientific research indicates that abacus training activates both the logical left hemisphere and the creative right hemisphere of the brain. This bilateral engagement results in improved overall cognitive function, better memory retention, and enhanced spatial reasoning skills.

Boosting Self-Confidence and Academic Performance

Success in mastering abacus techniques often leads to increased self-esteem. Students see tangible progress as they perform calculations faster and more accurately, motivating them to pursue further mathematical challenges and fostering a positive attitude towards learning.

The Role of School Mathematics in Holistic Education

Laying the Foundation for Future Learning

School mathematics covers a broad spectrum, from basic arithmetic to advanced algebra and geometry. It provides the essential skills needed for higher education and professional careers, making early mastery a priority for educators and parents alike.

Fostering Critical Thinking and Logical Reasoning

Mathematics encourages learners to analyze problems critically and develop logical solutions. This critical thinking ability is crucial for success not only in academics but also in decision-making and everyday life.

Promoting Analytical and Quantitative Literacy

In a data-driven world, being quantitatively literate is vital. School mathematics equips students with the tools to interpret graphs, understand statistical reports, and make informed decisions based on numerical data.

Encouraging Creative Problem Solving

Contrary to the misconception that mathematics is purely about memorization, it involves creative problem solving. Students learn to approach problems from multiple angles, develop strategies, and think innovatively.

Motivations for Integrating Abacus Studies and School Mathematics

Complementary Learning Approaches

Abacus training and traditional mathematics education serve as complementary methods. While school mathematics provides a comprehensive curriculum, the abacus offers a hands-on, visual approach that reinforces numerical understanding at an earlier age.

Early Intervention for Learning Difficulties

Students who struggle with numerical concepts can benefit from abacus training as an alternative or supplement to conventional methods. The tactile nature of the abacus helps in overcoming abstract learning difficulties and builds confidence.

Cultivating a Competitive Edge

In many countries, abacus competitions and mathematical Olympiads are popular. Participation motivates students to excel, fostering healthy competition, discipline, and a passion for learning.

Supporting Educational Equity

Abacus studies can be particularly beneficial in resource-constrained settings where access to advanced technological tools is limited. Since the abacus is affordable and easy to use, it democratizes access to quality mathematical training.

Challenges and Considerations

Ensuring Age-Appropriate Curriculum

The motivation for abacus and mathematics studies must be coupled with age-appropriate content. Overly complex exercises can discourage young learners, while too simplistic activities may not stimulate growth.

Maintaining Engagement and Motivation

Sustaining student interest requires innovative teaching methods, interactive sessions, and regular assessments. Incorporating gamification and competitions can enhance motivation.

Training Qualified Educators

Effective instruction is vital. Teachers trained specifically in abacus techniques and modern pedagogical methods are essential to maximize the benefits of these educational approaches.

The Future of Abacus and Mathematics Education

Integrating Technology

While the traditional abacus is a physical tool, digital versions and virtual training modules are emerging, making it more accessible and adaptable to various learning environments.

Emphasizing Skill Transfer

Research suggests that abacus training not only improves calculation speed but also enhances overall cognitive abilities. Future curricula are likely to emphasize interdisciplinary skills, blending abacus techniques with computer science, logic, and creative problem solving.

Promoting Lifelong Learning

Mathematics is a lifelong skill. Early motivation through engaging methods like abacus studies can foster a sustained interest in learning, critical thinking, and innovation throughout life.

Conclusion

The motivation for abacus studies and school mathematics is rooted in their profound impact on cognitive development, problem-solving skills, and academic confidence. As educational paradigms shift towards holistic and skill-based learning, integrating traditional tools like the abacus with modern pedagogical strategies offers a powerful approach to nurturing competent, confident, and creative learners. Emphasizing these foundational skills today ensures that future generations are well-equipped to thrive in an increasingly complex and data-driven world.

Question Why is motivation important for students learning abacus and school mathematics? Motivation encourages students to engage actively, persist through challenges, and develop a positive attitude towards learning abacus and mathematics, leading to better understanding and improved performance. **Answer** How can teachers boost motivation for abacus studies among students? Teachers can boost motivation by setting achievable goals, incorporating fun and interactive activities, recognizing students' progress, and demonstrating real-life applications of abacus and math skills. What role does goal-setting play in motivating students to learn mathematics with the abacus? Goal-setting helps students focus, provides clear milestones for achievement, and fosters a sense of accomplishment, thereby increasing their motivation to master abacus techniques and mathematical concepts. How does mastering abacus skills enhance a child's confidence in school mathematics? Mastering abacus skills builds mental calculation abilities and problem-solving confidence, which translate into improved performance and greater self-assurance in broader mathematics tasks. Can incorporating technology and gamification increase motivation for abacus studies? Yes, integrating technology and gamified learning methods makes abacus practice more engaging, interactive, and fun, which can significantly boost students' motivation and interest. What are the benefits of early abacus training for school mathematics motivation? Early

abacus training develops strong foundational skills, enhances mental agility, and fosters a love for mathematics, motivating children to pursue further mathematical learning with confidence. How do success stories and progress tracking motivate students in abacus and math studies? Sharing success stories and visibly tracking progress help students see their improvements, instill pride, and motivate them to continue practicing and excelling in abacus and mathematics. In what ways can parental involvement influence motivation for abacus and school math learning? Parental encouragement and support can boost a child's confidence, create a positive learning environment, and reinforce the importance of consistent practice, thereby enhancing motivation. What are some common challenges to motivation in learning abacus and math, and how can they be addressed? Challenges include boredom, fear of failure, and lack of confidence. These can be addressed by providing varied activities, offering positive reinforcement, and creating a supportive learning atmosphere to keep students motivated.

Related keywords: motivation for abacus studies, school mathematics enthusiasm, mental calculation skills, cognitive development, math confidence building, early math education, abacus training benefits, math learning motivation, problem-solving skills, educational empowerment

FREE ABACUS LESSON PLAN

Free abacus lesson plan ? a comprehensive resource designed to help educators, parents, and students embark on a rewarding journey into the world of mental math and number sense development. Abacus teaching not only enhances arithmetic skills but also fosters concentration, memory, and problem-solving abilities. This article provides an in-depth, SEO-friendly guide to creating and utilizing effective free abacus lesson plans that can be adapted for various age groups and learning environments.

Understanding the Importance of an Abacus Lesson Plan

An abacus lesson plan serves as a structured roadmap that outlines teaching objectives, activities, and assessment methods. It ensures that lessons are coherent, progressive, and aligned with educational standards. For educators, a well-crafted plan maximizes teaching efficiency and student engagement, while for parents, it offers a clear framework to support home learning.

Key Components of a Free Abacus Lesson Plan

Creating a comprehensive lesson plan involves several crucial elements. Below are the fundamental components to include:

1. Learning Objectives

Define what students should achieve by the end of the lesson. Objectives should be specific, measurable, and attainable. Examples include:

- Understand the basic structure and components of an abacus.
- Learn to perform simple addition and subtraction using the abacus.
- Develop mental calculation skills through abacus visualization.

2. Materials Needed

List all necessary tools and resources, such as:

- Physical abacuses (standard or bead-type)
- Printable abacus diagrams or charts
- Workbooks or practice sheets
- Digital tools or apps (optional)

3. Lesson Duration and Structure

Break down the lesson into segments to maintain student focus:

- Introduction (10 minutes)
- Demonstration and explanation (15 minutes)
- Guided practice (20 minutes)
- Independent practice or activities (15 minutes)
- Review and assessment (10 minutes)

4. Teaching Methods and Activities

Incorporate diverse teaching strategies to cater to different learning styles:

- Visual demonstrations using physical abacuses
- Interactive activities and games
- Group work and peer learning
- Use of digital apps for virtual practice

5. Assessment and Feedback

Evaluate student progress through:

- Observations during activities
- Quizzes or short tests
- Student self-assessment
- Feedback sessions to address challenges

Sample Free Abacus Lesson Plan for Beginners

To illustrate how to implement the above components, here's a sample lesson plan aimed at beginners aged 6-10:

Lesson Title: Introduction to Abacus and Basic Addition

Objectives:

- Identify parts of the abacus
- Perform simple addition (e.g., $3 + 2$)

Materials:

- Standard abacuses for each student
- Printable abacus diagrams
- Practice sheets with addition problems

Lesson Duration: 60 minutes

Lesson Breakdown:

- **Introduction (10 mins):** Discuss what an abacus is, its history, and its uses. Show a physical abacus and explain its parts.
- **Demonstration (15 mins):** Show students how to set numbers on the abacus and perform addition. Use visual aids and step-by-step instructions.
- **Guided Practice (20 mins):** Assist students in practicing simple addition problems, encouraging them to manipulate the beads and confirm their answers.

- **Independent Practice (10 mins):** Provide practice sheets for students to solve basic addition problems on their own or with peers.
- **Review and Feedback (5 mins):** Recap key points, answer questions, and give feedback on student performance.

Tips for Effective Abacus Lesson Planning

Creating engaging and effective lesson plans requires careful consideration. Here are some valuable tips:

Start with the Basics

Introduce the abacus components and basic concepts before moving to complex operations. This builds a strong foundation.

Use Visual Aids and Real Objects

Physical abacuses and diagrams help students grasp abstract concepts more concretely.

Incorporate Fun Activities

Gamify lessons with challenges, competitions, or abacus-based puzzles to boost motivation.

Differentiate Instruction

Adapt activities based on student skill levels. Offer additional support for beginners and advanced problems for quicker learners.

Integrate Technology

Use abacus apps and online tutorials to diversify learning and accommodate remote education.

Resources for Free Abacus Lesson Plans

Many online platforms and educational organizations offer free resources to supplement your lesson planning:

- [Abacus Education Resources](#)
- [Kids Academy Free Abacus Activities](#)
- [Education.com Abacus Lesson Plans](#)

- Printable PDFs and worksheets available on various educational blogs and websites

Benefits of Using a Free Abacus Lesson Plan

Implementing a well-structured, free lesson plan offers numerous advantages:

- Enhances number sense and mental calculation skills
- Fosters concentration and patience
- Encourages active participation and hands-on learning
- Provides a scalable framework suitable for different ages and skill levels
- Cost-effective, making quality education accessible

Conclusion

A free abacus lesson plan is an invaluable tool for educators and parents aiming to teach mathematics in a fun, engaging, and effective manner. By carefully designing lessons that incorporate clear objectives, diverse activities, and assessments, learners can develop strong foundational skills that serve them well in academics and everyday life. Leveraging available resources and adapting the plan to meet individual needs ensures that every student can benefit from the timeless educational power of the abacus. Start planning today and watch your students thrive in their mathematical journey!

Free Abacus Lesson Plan: A Comprehensive Guide to Teaching Mental Math with the Abacus

Introducing young learners to the world of numbers can be both exciting and challenging. One of the most effective tools to develop strong mental calculation skills is the free abacus lesson plan—a structured, accessible way to teach children how to use the abacus as a foundation for mental math. Whether you're a parent, teacher, or homeschooling educator, a well-designed lesson plan can make the learning process engaging, systematic, and rewarding.

In this guide, we will explore how to craft and implement a free abacus lesson plan that fosters confidence, enhances mathematical understanding, and promotes critical thinking. From understanding the basics to advanced techniques, this comprehensive resource aims to provide all the information you need to deliver effective lessons without any cost.

Why Use an Abacus in Teaching Math?

Before diving into the lesson plan details, it's important to understand the significance of using an abacus in math education:

- Builds a strong number sense: Manipulating beads helps children visualize numbers and understand their relationships.
- Enhances mental calculation: Regular practice with the abacus develops the ability to perform calculations mentally.
- Improves concentration and patience: Abacus work requires focus, fostering better attention spans.
- Encourages tactile learning: The physical act of moving beads supports kinesthetic learners.
- Cost-effective and accessible: Free lesson plans make this resource available for everyone.

Developing a Free Abacus Lesson Plan: Key Components

Creating an effective lesson plan involves understanding the essential elements that ensure comprehensive learning. Here are the core components to include:

- Objectives: Clear goals for what students should achieve by the end of the lesson.
- Materials Needed: Listing necessary tools, primarily the abacus, and optional supplementary items.
- Lesson Structure: Step-by-step activities, including introduction, practice, and assessment.
- Differentiation Strategies: Adapting lessons for various learning paces and styles.
- Assessment Methods: Ways to evaluate understanding and progress.

Step-by-Step Guide to Creating Your Free Abacus Lesson Plan

- Define Your Learning Objectives

Begin by setting specific, measurable goals. For example:

- Students will learn how to use the abacus to perform addition and subtraction.
- Students will understand the place value system through abacus manipulation.
- Students will develop mental calculation skills by visualizing the abacus.

Clear objectives help focus your teaching and give students a sense of purpose.

- Gather Materials and Resources

Primary Material:

- An abacus suitable for beginners (e.g., a 10-rod or 13-rod bead abacus)
- Worksheets for practice (optional)
- Visual aids, such as charts explaining bead values
- A timer or stopwatch (for timed drills)
- Digital resources or videos (if available)

Optional:

- Color-coded beads to distinguish place values
 - Flashcards for quick recall exercises
 - Small prizes or stickers for motivation
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- Structure Your Lesson

A typical lesson can be divided into the following sections:

a. Introduction (10-15 minutes)

- Welcome students and introduce the concept of the abacus.
- Explain the history and relevance of the abacus in modern math.
- Demonstrate the abacus, highlighting the beads and their values.
- Engage students with a simple question, such as "Have you ever used an abacus before?"

b. Demonstration and Guided Practice (20-30 minutes)

- Show how to represent numbers on the abacus.
- Teach basic movements: counting beads, representing single digits, and understanding place value.
- Walkthrough simple addition and subtraction using the abacus.
- Encourage students to mimic the movements alongside you.

c. Independent Practice (20-30 minutes)

- Provide students with practice problems.
- Allow them to manipulate their own abacus to solve problems.
- Circulate and offer guidance, correcting techniques as needed.

- Use timed exercises to build speed and confidence.

d. Mental Math Integration (15-20 minutes)

- Teach students to visualize the abacus in their mind.
- Practice mental calculations with guided exercises.
- Use flashcards or quick quizzes to reinforce mental visualization.

e. Review and Recap (10 minutes)

- Summarize key points learned during the session.
- Address questions and clarify doubts.
- Assign simple homework or practice tasks for reinforcement.

f. Assessment and Feedback (Ongoing)

- Use quick quizzes or observation to evaluate understanding.
- Provide positive feedback and encouragement.

Sample Weekly Breakdown for a Free Abacus Lesson Plan

Week 1: Introduction to the Abacus and Basic Counting

- Understanding the parts of the abacus
- Counting from 1 to 10 using beads
- Recognizing bead values

Week 2: Place Values and Number Representation

- Understanding units, tens, hundreds
- Representing multi-digit numbers
- Practice exercises

Week 3: Basic Addition

- Adding single-digit numbers
- Using the abacus to perform simple sums
- Transitioning to mental visualization

Week 4: Basic Subtraction

- Subtracting small numbers
- Using the abacus for subtraction
- Mental subtraction exercises

Week 5: Combining Addition and Subtraction

- Solving slightly complex problems
- Developing speed and accuracy

Week 6: Mental Math and Speed Drills

- Visualizing the abacus in your mind
- Timed calculations
- Real-world problem solving

Tips for Effective Teaching with a Free Abacus Lesson Plan

- Start slow: Ensure students grasp basic concepts before moving on.
- Use visual aids: Charts, diagrams, and color-coding enhance understanding.
- Encourage repeated practice: Mastery comes with consistent practice.
- Make it fun: Incorporate games, competitions, and rewards.
- Differentiate instruction: Adapt your pace based on students' progress.
- Integrate technology: Use online videos or apps for additional practice.
- Record progress: Keep track of individual achievements to tailor future lessons.

Additional Resources for Free Abacus Lesson Plans

- Printable worksheets: Many educational websites offer free printable practice sheets.
- Video tutorials: YouTube channels dedicated to abacus training.
- Online abacus simulators: Virtual tools that mimic physical abacus work.

- Community groups: Join online forums or local groups for shared ideas and support.

Conclusion

Creating a free abacus lesson plan is an excellent way to democratize access to foundational math skills. By structuring your lessons around clear objectives, engaging activities, and consistent practice, you can help students develop confidence in their mental math abilities. The abacus is more than just a counting tool; it's a gateway to better problem-solving skills, improved concentration, and a lifelong love for mathematics.

Remember, the key to success lies in patience, creativity, and persistence. With these principles in mind, your free abacus lesson plan can transform the way learners perceive and approach math, making learning both enjoyable and effective.

Question What are the key components of a free abacus lesson plan for beginners? A comprehensive free abacus lesson plan for beginners should include an introduction to the abacus, basic bead counting, simple addition and subtraction exercises, visual aids, practice activities, and assessment tips to gauge understanding. **Answer** How can I access free abacus lesson plans online? You can find free abacus lesson plans on educational websites, YouTube channels dedicated to mental math, teaching blogs, and platforms like Teachers Pay Teachers offering free downloadable resources. What age group is suitable for a free abacus lesson plan? Free abacus lesson plans are typically suitable for children aged 4 to 12 years old, with activities tailored to different developmental stages to enhance their mental math skills. How do I modify a free abacus lesson plan for online teaching? To adapt a free abacus lesson plan for online teaching, incorporate digital tools like virtual abacus simulators, interactive videos, live demonstrations, and online practice exercises to engage students remotely. Are there any free abacus lesson plans specifically designed for special education students? Yes, some free abacus lesson plans are tailored for special education, emphasizing multisensory learning, simplified instructions, and additional visual supports to cater to diverse learning needs. What are the benefits of using a free abacus lesson plan in early childhood education? Using a free abacus lesson plan helps improve children's concentration, enhances their understanding of basic arithmetic, develops fine motor skills, and fosters confidence in math learning. Can I find free abacus lesson plans that include assessment tools? Yes, many free abacus lesson plans come with built-in assessment tools like quizzes, practice sheets, and tracking charts to monitor student progress and understanding. How do I ensure the effectiveness of a free abacus lesson plan? To ensure effectiveness, customize the lesson plan to suit your students' learning levels, incorporate hands-on activities, provide regular practice, and gather feedback to adjust teaching strategies accordingly.

Related keywords: free abacus lesson plan, abacus teaching resources, abacus lesson ideas, elementary abacus activities, math lesson plans, abacus classroom activities, beginner abacus lessons, abacus curriculum, mental math strategies, hands-on math activities

Read the full article online: [Free Abacus Lesson Plan](#)