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**Hop It Out**

**Lesson Overview:** Students practice basic math by giving answers to math equations by hopping in place the correct answer.

**Grade Level:** K-5th

**Lesson Time:** 5-10 minutes

**Prior Knowledge:** Basic math appropriate for grade level

**Content Integration:**
- Math
- Physical Education

**Corresponding Standards:**
Common Core State Standards for Mathematics
- Operations and Algebraic Thinking
  - Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g. claps), acting out situations, verbal explanations, expressions, or equations.
  - Represent and solve problems involving addition and subtraction.
  - Understand and apply properties of operations and the relationship between addition and subtraction.
  - Add and subtract within 20.
  - Work with addition and subtraction equations.
  - Represent and solve problems involving multiplication and division
  - Multiply and divide within 100.
  - Use the four operations with whole numbers to solve problems.

**Lesson Objective:**
Teacher gives a math equation. The students give the answer by hopping in place the correct answer.

**Lesson Description:**
1. **Lead-in:** Teacher explains that she will give a math equation. The students give the answer by hopping in place the correct answer.
2. **Step by Step:** Teacher gives a math equation. The students give the answer by hopping in place the correct answer. For example: The teacher says 3 + 6. The students hop nine times in place. After the students have hopped their answer the teacher verifies answer.
3. **Closure:** Review mathematic concepts as needed. Discuss benefits of physical activity.
4. **Extension or Next Step:** Can do pushups, curlups, jumping jacks, or other movement instead of hopping.
Differentiation:

- **Advanced**: Math problems can be addition, subtraction, multiplication or division, depending on age.
- **Struggling**: Can allow the use of manipulations or paper and pencil.