

Lesson Plan

Title: Commutative Property/Multiplication Word Problems

Key Ideas/Performance Indicators

Standard 1: Students will explore and solve problems generated from school, home, and community situations, using concrete objects or manipulative materials when possible.

Standard 2: Students will apply mathematical knowledge to solve real-world problems and problems that arise from the investigation of mathematical ideas, using representations such as pictures, charts, manipulatives and tables.

Standard 3: Students will use special mathematical notation and symbolism to communicate in mathematics and to compare and describe quantities, express relationships and relate mathematics to their environment.

Standard 4: Students use mathematical operations and relationships among them to understand mathematics

Lesson Objectives:

- Students will recognize the terms product, set, factor, multiplication, times symbol.
- Students will use their math terms to locate the product, factor, times symbol and set in their pictures and manipulatives.
- Students will learn a new term called commutative property.
- Students will fill out a worksheet and include the number sentence, a drawing and use the manipulatives at a level of 80% accuracy.
- Students will arrange objects in sets when given a multiplication fact.
- Students will arrange objects in sets to demonstrate the commutative property.
- The students will use the multiplication facts they have learned to create and solve word problems.

Individualized Objectives:

- Devin will increase his multiplication skills during small groups by making the correct multiplication number sentences to help clarify the information in the word problem at a level of 90% accuracy.
- Tasha will increase her multiplication skills during small groups by making the correct multiplication number sentences to help clarify the information in the word problem at a level of 90% accuracy.
- Zion will increase his multiplication skills during small groups by making the correct multiplication number sentences to help clarify the information in the word problem at a level of 90% accuracy.
- Earl will increase his multiplication skills during small groups by making the correct multiplication number sentences to help clarify the information in the word problem at a level of 90% accuracy.

Rationale:

The focus of this lesson is a systemic approach to learning the multiplication facts, number sentences, multiplication terms and how to create word problems. Throughout this lesson the students will address how to label a multiplication sentence with the math terms they learned and how to write their own number sentence and how to draw an illustration of the commutative property. The students will use manipulatives and learn some new strategies that will help them on any math problem. I feel as though having the students be accountable for their own work and create their own word problems is more helpful to them and they take away more from the lesson rather than just sitting there and learning rote word problems out of a math book. This lesson also ties in with ELA and Comprehension since the students will be listening to the books and following along and learning