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Preview

Date: 2023-06-14

Teacher Name: user.login.name

Learning outcomes (What will they learn?)

knowledge

We want students to know about: the concept of multiplication, how to multiply numbers, how to multiply two-digit numbers by one-digit numbers, and how to multiply n-digit numbers by n-digit numbers.

skills

We want students to become proficient in: multiplying numbers, multiplying two-digit numbers by one-digit numbers, and multiplying n-digit numbers by n-digit numbers.

understanding

We want students to understand the concept/s of: multiplication as repeated addition, the relationship between multiplication and division, and the commutative and associative properties of multiplication.

Learning experiences (How will they learn?)

Prepare

Students will watch a short video that introduces the concept of multiplication and its relationship to addition. They will be asked to think about the following questions:

- What is multiplication?
- How is multiplication related to addition?
- What are some real-life situations where multiplication is used?

Plan

Students will be given a worksheet with multiplication problems of varying difficulty. They will be asked to plan their approach to solving the problems, including:

- How will they break down the problem?
- What strategies will they use to solve the problem?
- How will they check their work?

Investigate

Students will work independently on the worksheet, using Microsoft Office to help them solve the problems. They will be encouraged to use online resources to help them if they get stuck. They will also explore the TDS LMS to find additional

resources on multiplication.

Apply

Students will work in pairs to create their own multiplication problems, using two-digit and three-digit numbers. They will then swap problems with another pair and solve each other's problems.

Connect

Students will be asked to think about how multiplication is used in the real world, and how it relates to other areas of math such as division and fractions. They will be encouraged to share their thoughts with the class.

Evaluate and reflect

Students will complete a short quiz to test their understanding of the key concepts covered in the lesson. They will then reflect on their learning by answering the following questions:

- What did you learn about multiplication today?
- What strategies did you use to solve the problems?
- What could you do differently next time?

Educator assessment of student learning outcomes (What did they learn?)

"A final quiz to test the key vocabulary:

1. What is multiplication?
2. What is the relationship between multiplication and addition?
3. What are the commutative and associative properties of multiplication?
4. How do you multiply two-digit numbers by one-digit numbers?
5. How do you multiply n-digit numbers by n-digit numbers?

two times 8?"

Educator reflection (How can I improve this lesson next time?)

Guiding questions:

- Were the learning outcomes achieved?
- Were the learning experiences engaging and effective?
- Were the supporting materials and resources helpful?
- Were the differentiation strategies effective?
- What could be improved next time?