

Session 9: Two-digit multiplications

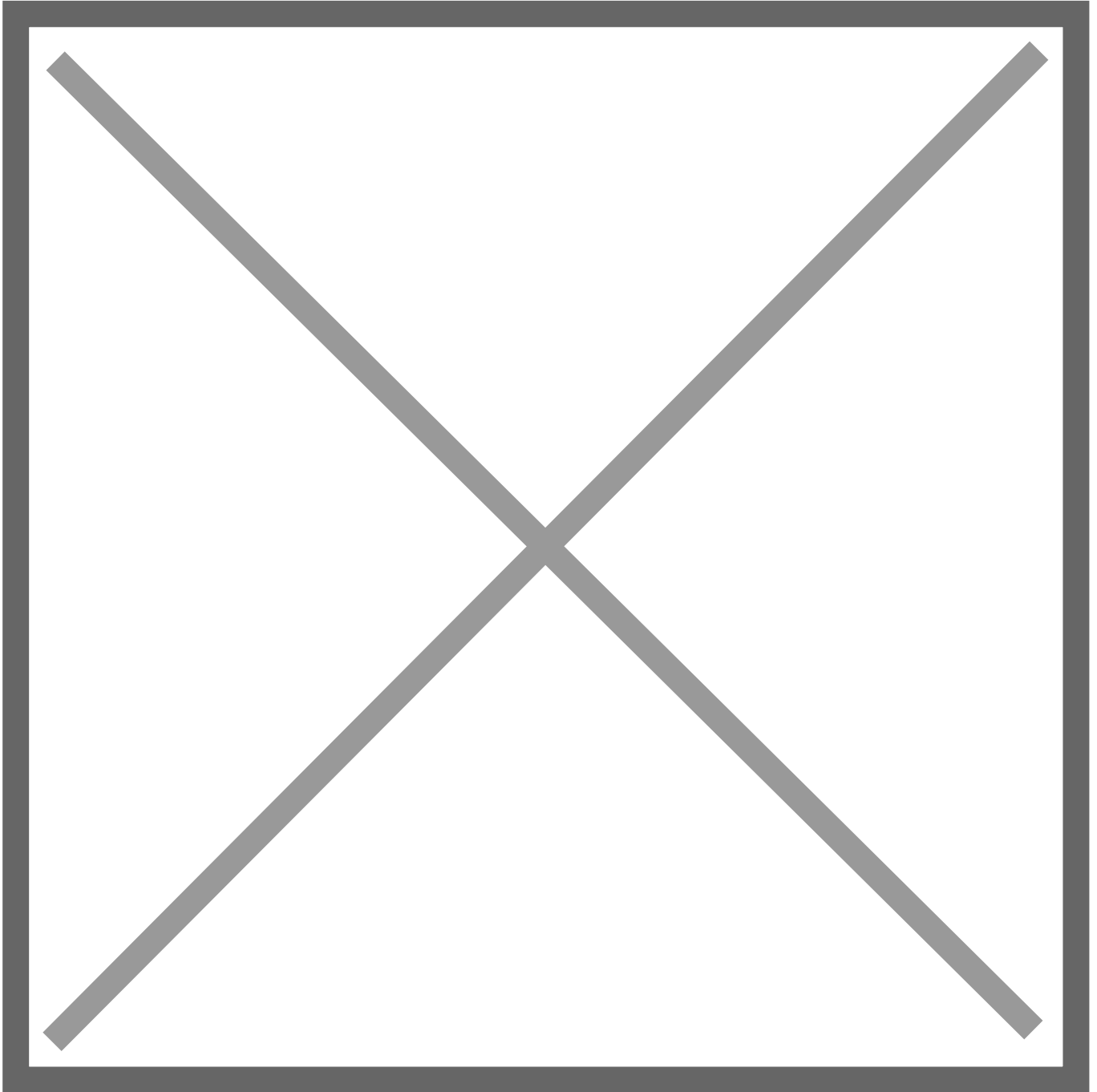
Session Title	Two-digit multiplications
Objective	Students will be able to multiply two-digit numbers.
Concept	To understand how to multiply two-digit numbers.
Material Required	<ol style="list-style-type: none">1. Board and chalk2. Paper and pencils3. Multiplication worksheets.4. Chart paper for group work5. Digital timer (optional)6. Two-Digit Multiplication worksheet
Methodology	Learning through activity.
Session Duration	90 Minutes

Introduction Activity (30 minutes):

Direct Instruction:

1. Introduce the concept of two-digit multiplication by explaining that we are multiplying numbers that are greater than 9.
2. Write a simple two-digit multiplication problem on the board (e.g., 24×13).
3. Break down the multiplication into smaller, manageable steps. For example:
4. Multiply the ones digit ($4 \times 3 = 12$, carry the 1).
5. Multiply the tens digit ($20 \times 3 = 60$).
6. Repeat with the tens digit of the second number ($4 \times 10 = 40$).

7. Add all the partial products together.



Main Activity (50 minutes):

Multiplication Relay Race (30 minutes)

1. Divide students into small groups (3-4 students per group). Each group will work together on a set of two-digit multiplication problems in a relay-style format.

2. One student starts the relay by solving the first part of a multiplication problem (e.g., multiplying the ones place).
3. The next student solves the next part (e.g., multiplying the tens place).
4. The final student solves the last step (adding the partial products together).
5. After each step, students pass the "math baton" (e.g., a pencil or a marker) to the next teammate.

Independent Practice (20 minutes)

Provide each student with a worksheet containing a set of two-digit multiplication problems. Encourage them to try the traditional method of multiplication.

1. 41×12
2. 63×8
3. 57×16
4. 16×11

Review Questions (5 minutes):

1. Ask students to share one strategy that helped them solve the multiplication problems today. This reinforces learning and allows students to help one another.
2. Review key concepts from the lesson.

Follow up Tasks (5 minutes):

1. 23×12
2. 50×8
3. 16×76

Expected Learning Outcome:

Knowledge building:

- Understand the concept how multiplying two-digit numbers.

Skill Building:

- Self awareness
- Self management
- Social awareness
- Critical thinking
- Relationship skills

Resources: Two Digit Multiplication

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