

**LESSON PLAN**

Multiply Two Digit Numbers Using the Lattice Method

**DO NOW:**

Multiply two digit number using the traditional method

Practice the 7, 8 and 9 times table

**FOCUS DISCUSSION:**

Discuss that there is often more than one way to come up with the same answer to a math problem

Discuss the history of the lattice method and why it might be easier than traditional for some students

**OBJECTIVE:**

**Short term:**

SWBAT use an alternative method of multiplying two digit numbers

**Long term:**

SWBAT use the lattice method of multiplication to check their traditional multiplication answers

Students will learn that in mathematics that the same result can be realized even though different methods or approaches were used

**NJ CORE CURRICULUM CONTENT STANDARDS:**

4.1

**PREREQUISITE KNOWLEDGE:**

Knowledge of times tables

**PROCEDURES:**

Use overhead projector to model how to draw the lattice grid

Use overhead projector to model how to multiple two digit numbers using the lattice method

Have students work on the first worksheet in class

Have students work on problems at their desk and on the board

**MATERIALS:**

Overhead projector

Transparencies

Permanent Marker

Dry Erase Marker

Worksheet 1 (In-Class Worksheet)

Worksheet 2 (Homework Worksheet)

**ASSESSMENT:**

Determine if students are able to multiply numbers using the lattice method by observing their work at their desks and on the white board. Collect and grade homework.

**INDEPENDENT PRACTICE:**

Students will complete a second worksheet at home

**62 x 35**

**6**

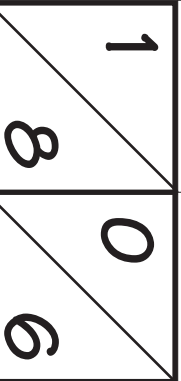
**2**

**46 x 28**

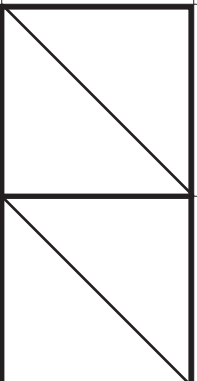
**4**

**6**

**2**

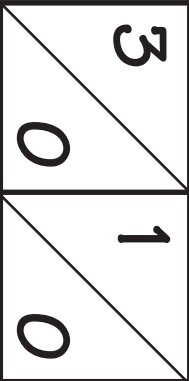


**3**

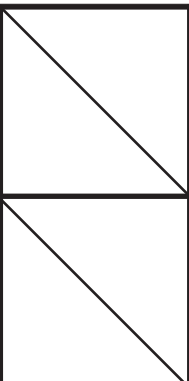


**2**

**1**



**5**



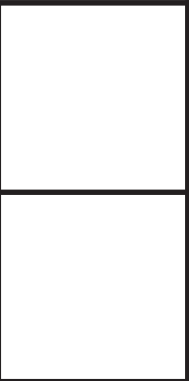
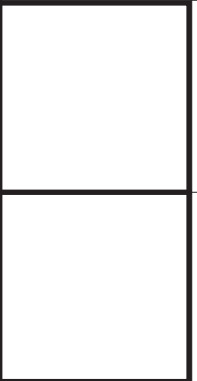
**8**

**7**

**0**

**12 x 34**

**75 x 90**



**NAME:**

$$73 \times 47$$

$$75 \times 67$$

$$77 \times 98$$

$$76 \times 87$$

**NAME:**