

SESSION : 2

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 5

CHAPTER NAME : MULTIPLICATION

SUBTOPIC : LATTICE MULTIPLICATION

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

The children will

- * Learn to look beyond their textual knowledge
- * Establish a relationship between theory and application of the learnt concepts
- * Acquires knowledge, skills and attitudes that help to clarify, organize and prioritize learning.

MULTIPLICATION

LATTICE MULTIPLICATION

What is Lattice multiplication ???

**It is a written method of multiplying numbers.
It is also known as Chinese multiplication.
It is usually used to solve multiplication problems.**

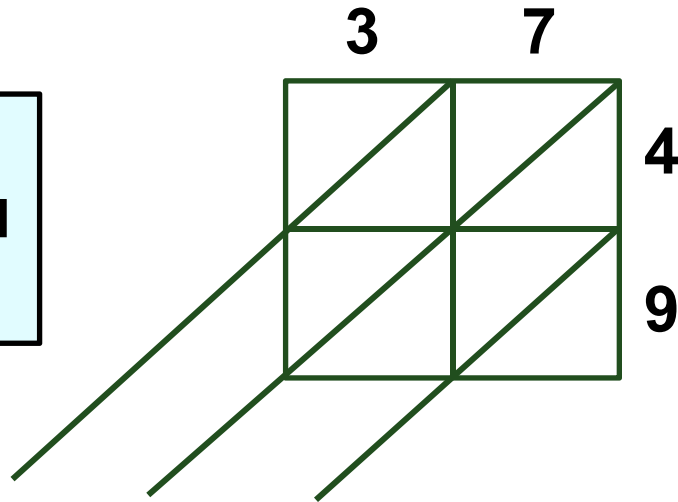
MULTIPLICATION

LATTICE MULTIPLICATION

EXAMPLE

$$37 \times 49$$

Write the numbers to be multiplied on the top and on the right.

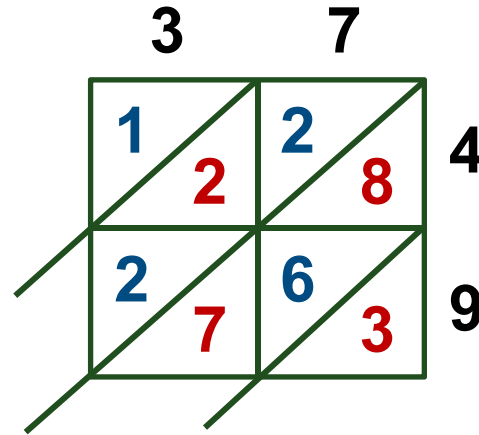


MULTIPLICATION

LATTICE MULTIPLICATION

$$37 \times 49$$

Multiply the number on top of the box with the number to the right of the box and write the answer in the box.

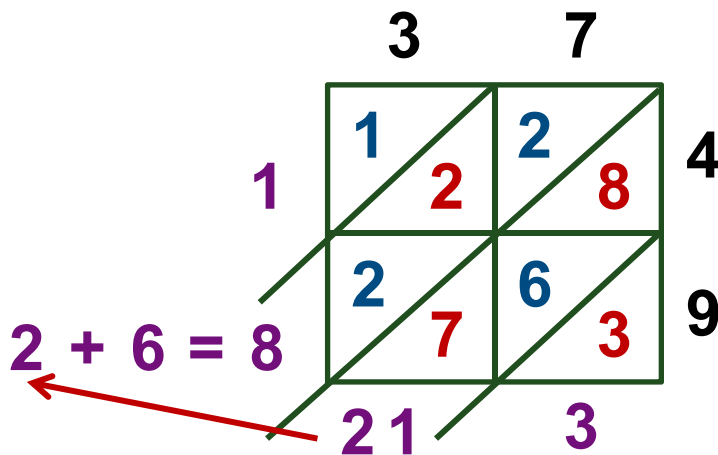


MULTIPLICATION

LATTICE MULTIPLICATION

$$37 \times 49$$

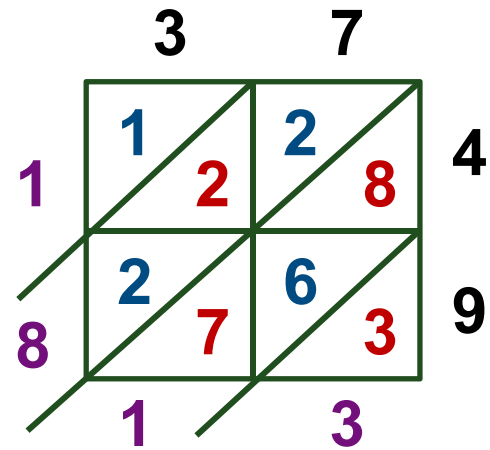
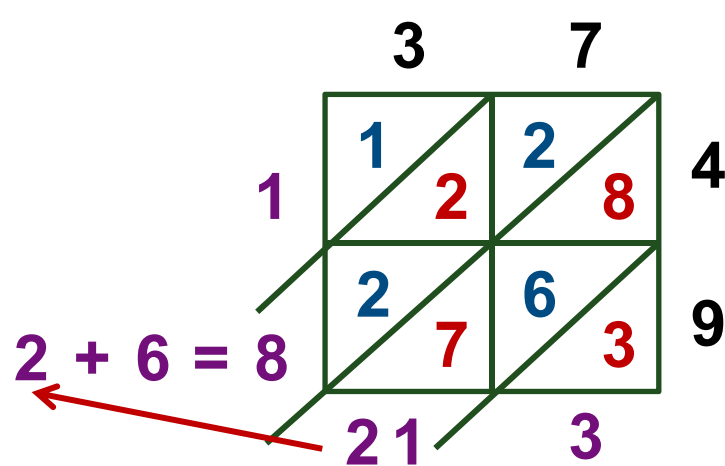
Add the numbers in the box diagonally and carry to the next column when necessary.



MULTIPLICATION

LATTICE MULTIPLICATION

$$37 \times 49$$



$$37 \times 49 = 1813$$

MULTIPLICATION

LATTICE MULTIPLICATION

**Exercise-5 E Q. NO - A and B
1 to 5 bk. pg. 83
in notebook.**



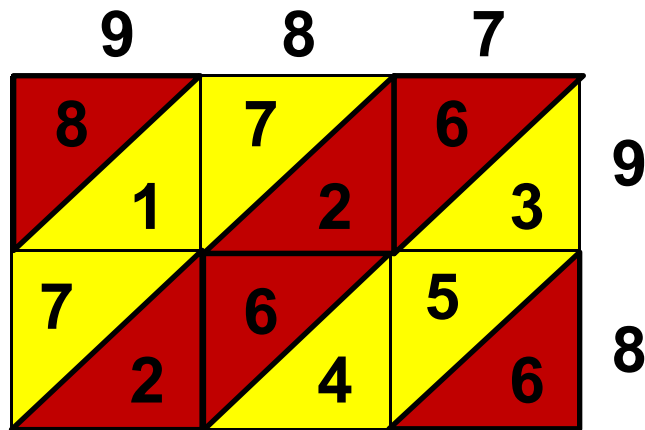
MATHS

MULTIPLICATION

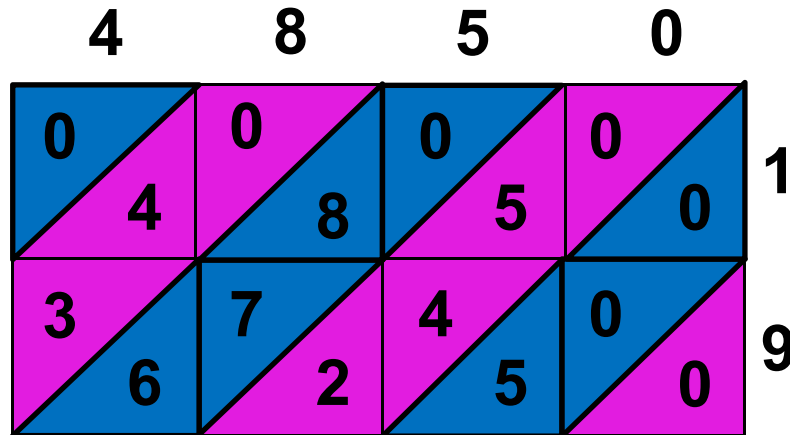
LATTICE MULTIPLICATION

A. Fill in the missing numbers.

1



2

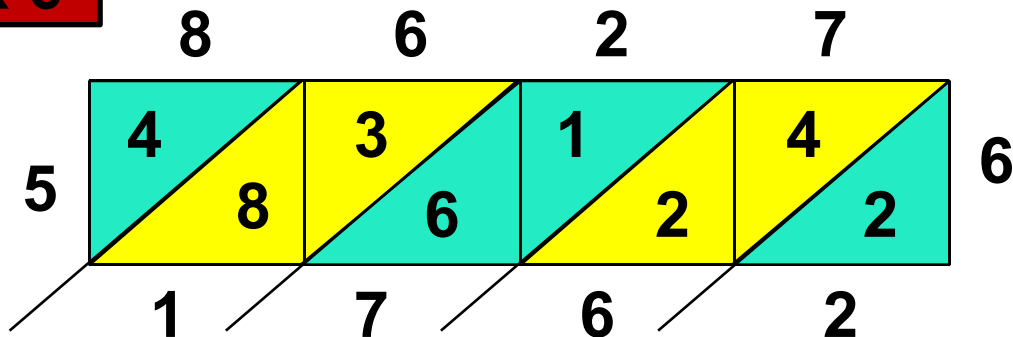


MULTIPLICATION

LATTICE MULTIPLICATION

B. Multiply the following using lattice multiplication.

1) 8627×6

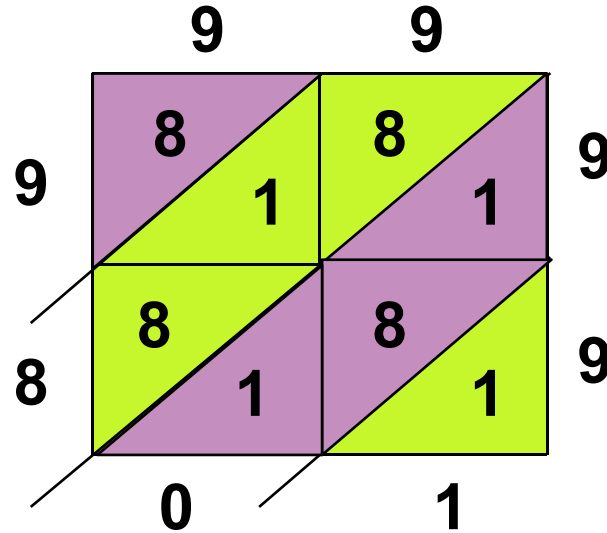


$8627 \times 6 = 51762$

MULTIPLICATION

LATTICE MULTIPLICATION

2) 99×99

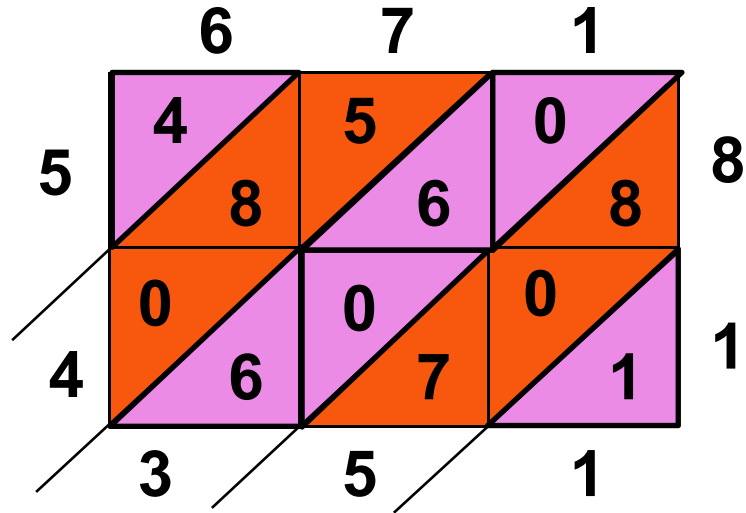


$$99 \times 99 = 9801$$

MULTIPLICATION

LATTICE MULTIPLICATION

3) 671 x 81



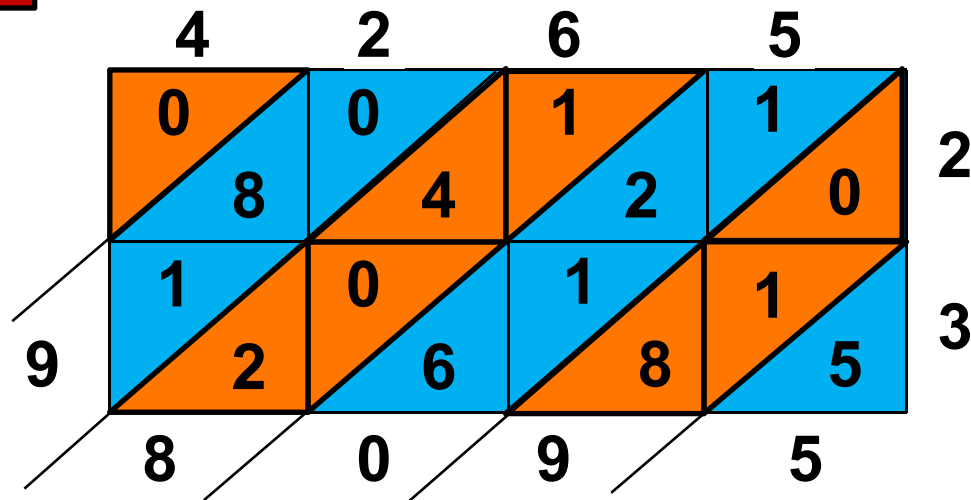
$$671 \times 81 = 54351$$

MATHS

MULTIPLICATION

LATTICE MULTIPLICATION

4) 4265 x 23



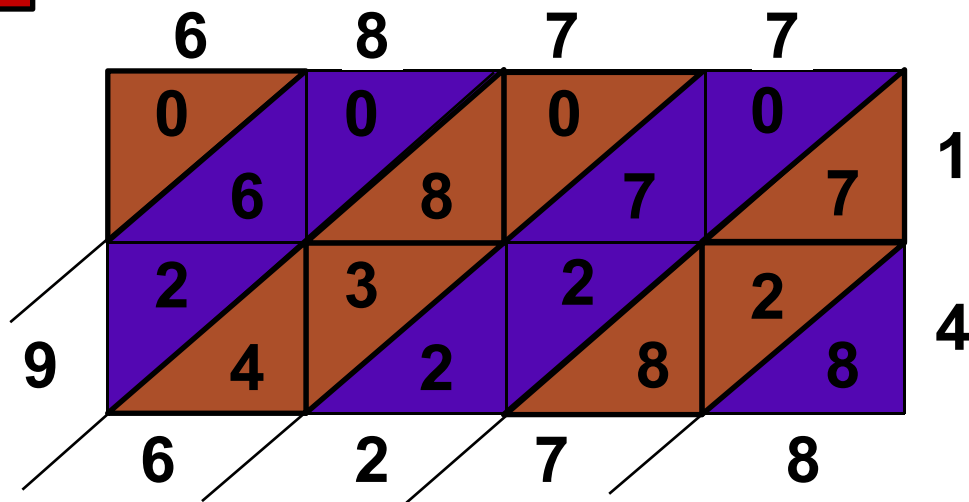
$$4265 \times 23 = 98095$$

MATHS

MULTIPLICATION

LATTICE MULTIPLICATION

5) 6877×14

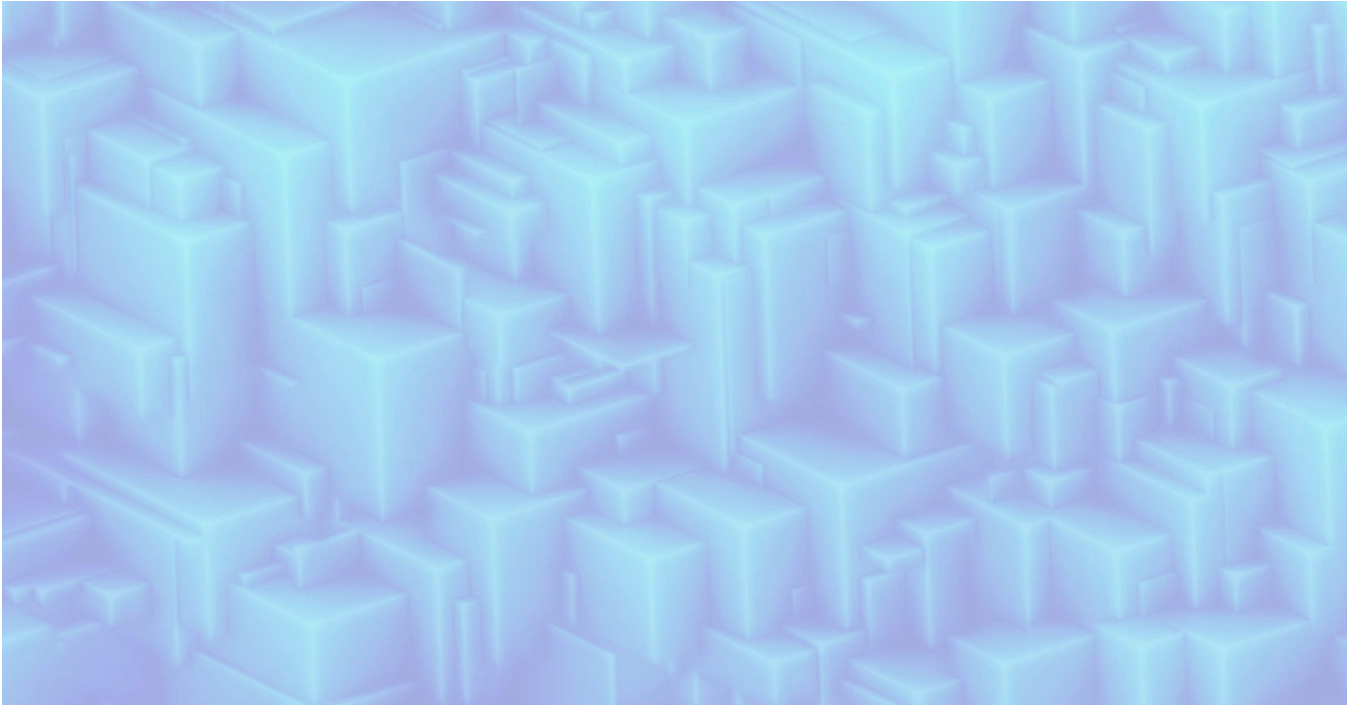


$$6877 \times 14 = 96278$$

MATHS

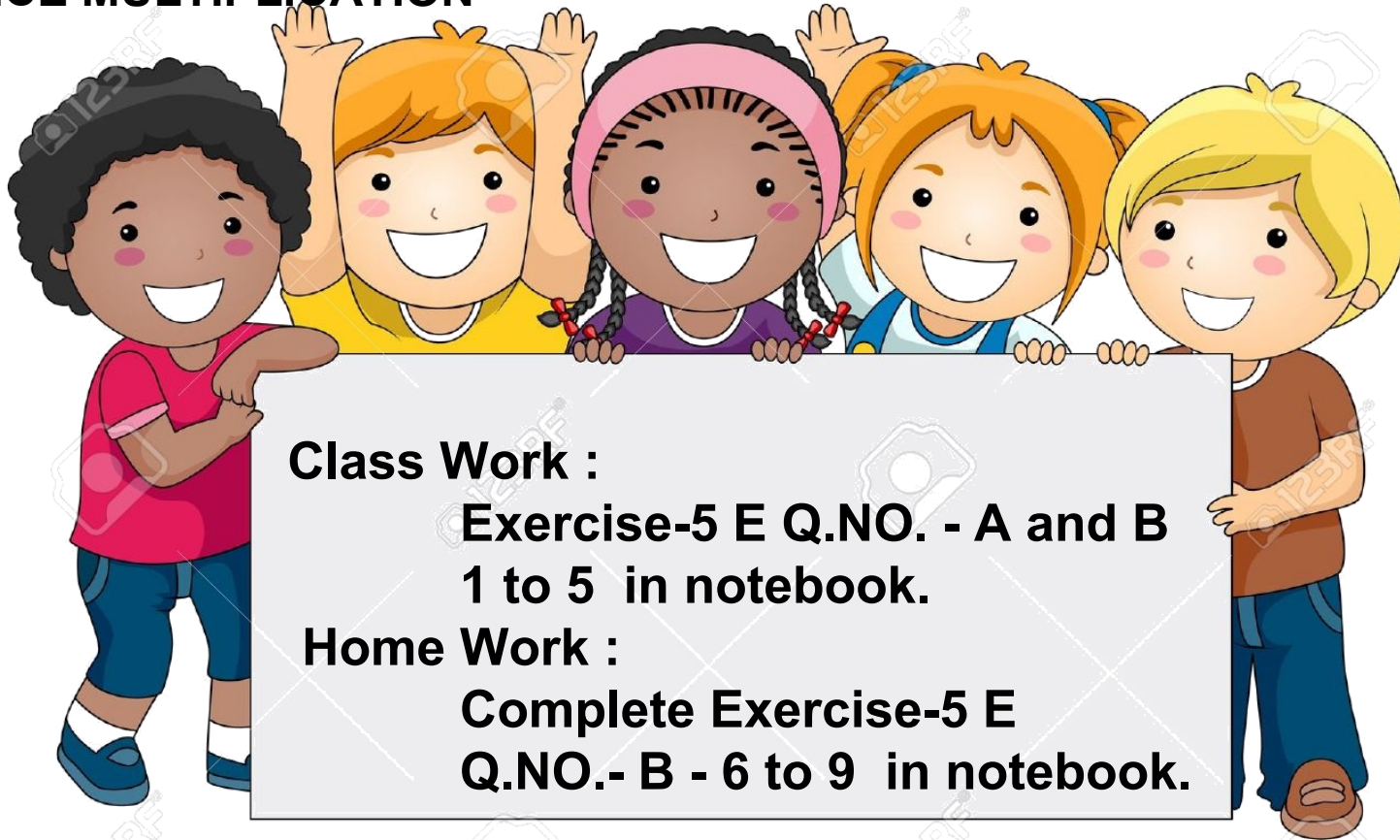
MULTIPLICATION

LATTICE MULTIPLICATION



MULTIPLICATION

LATTICE MULTIPLICATION



LEARNING OUTCOME:

Children are confident of developing conceptual understanding, identify subtraction problems that require regrouping and perform subtraction of a 4-digit number from a 4-digit number with regrouping .



THANKING YOU
ODM EDUCATIONAL
GROUP