Unit 7 Module 2 Session 2

Assessment-Multiplication & Division Checkpoint

Problems and Investigations-Sketching Arrays for One-by-two-Digit Multiplication

Getting Ready

- TM T2 check point, colored tiles, base ten pieces

- TM T1 from previous lesson

- Black, Red, black and blue markers or colored pencils
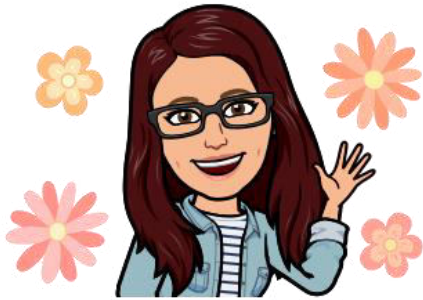
- TM T3 Base Ten Grid Paper

Vocabulary

Array

Estimate

multiply

- Represent the product of two numbers as the area of a rectangle with side lengths equal to those two numbers

- Fluently multiply with products to 100 with strategies

Problems and Investigations- Story Problems and Arrays

LET'S ESTIMATE

Four classes of third graders went to the museum for a field trip. Each class had 27 students. How many third graders went in all?

The 4 is the number of classes and the 27 is the number of kids in each class. So 27x4.
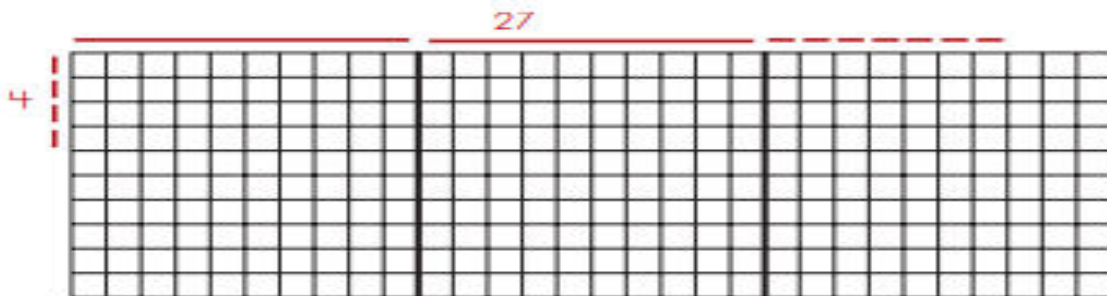
Let's use the base ten Grid Paper to solve it!

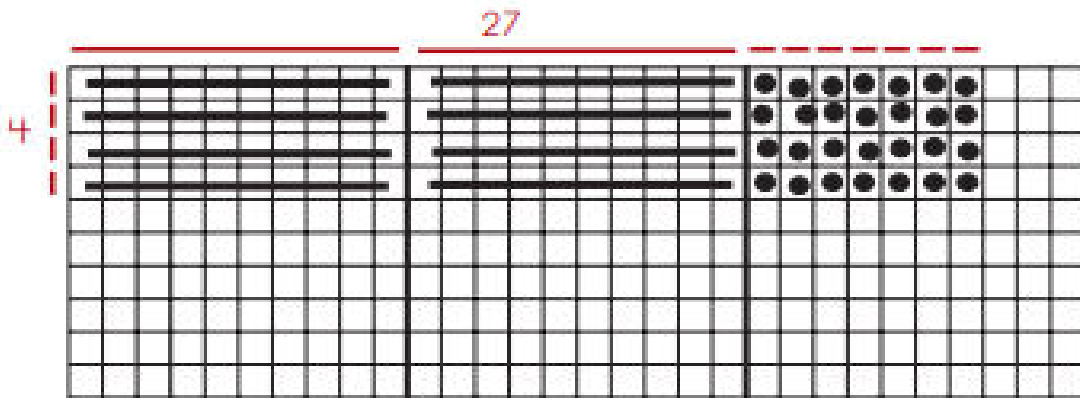Fill in black lines for rods and dots for units

What are the different ways you could solve 27x4 using the array?

Let's look at some on the next slides.
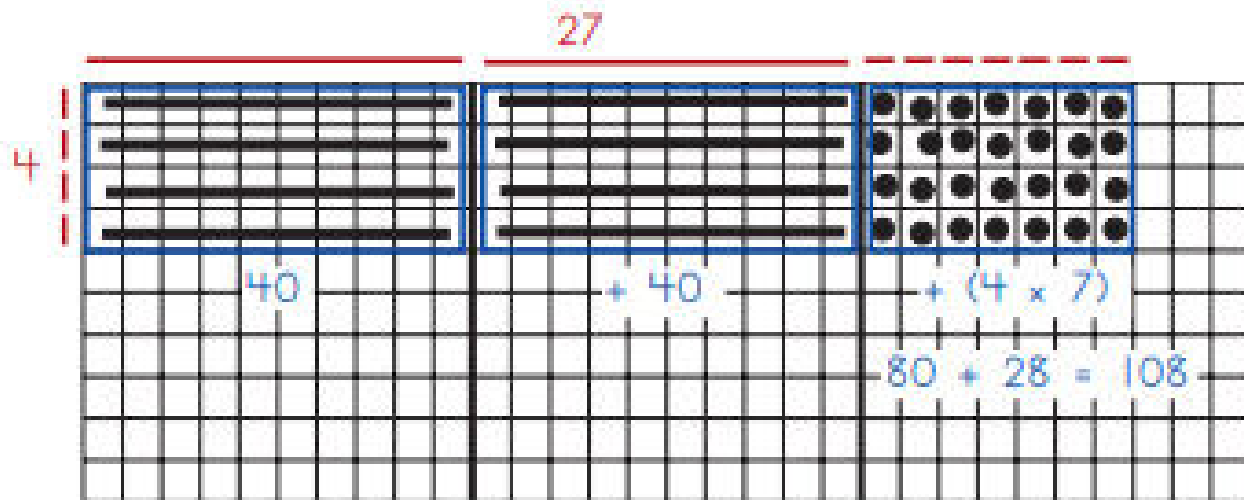
Base Ten Grid Paper

27

4

40   + 40   + (4 × 7)

80 + 28 = 108

Base Ten Grid Paper

27

4

4 x 20

+ (4 x 7)

80 + 28 = 108

◌ Base Ten Grid Paper

27

4

4 × 25

+ (4 × 2)

100 + 8 = 108

🔍 Base Ten Grid Paper

27

4

$2 \times 27 = 54$

$2 \times 54 = 108$

LET'S TRY THIS ONE
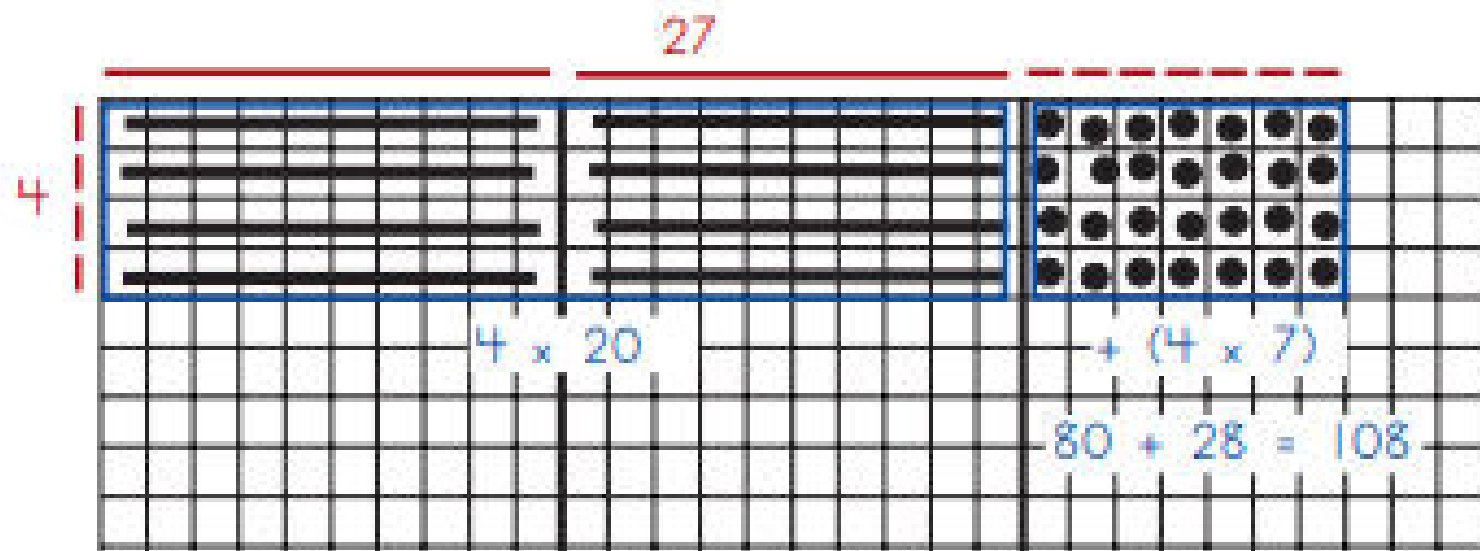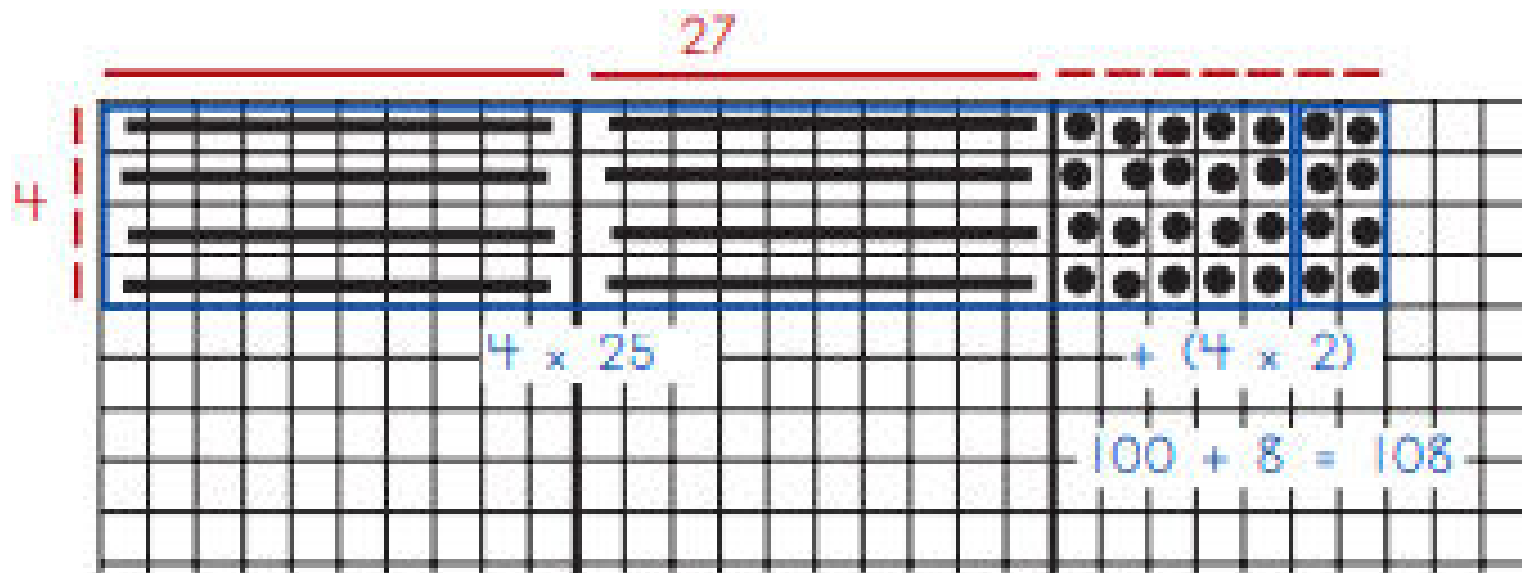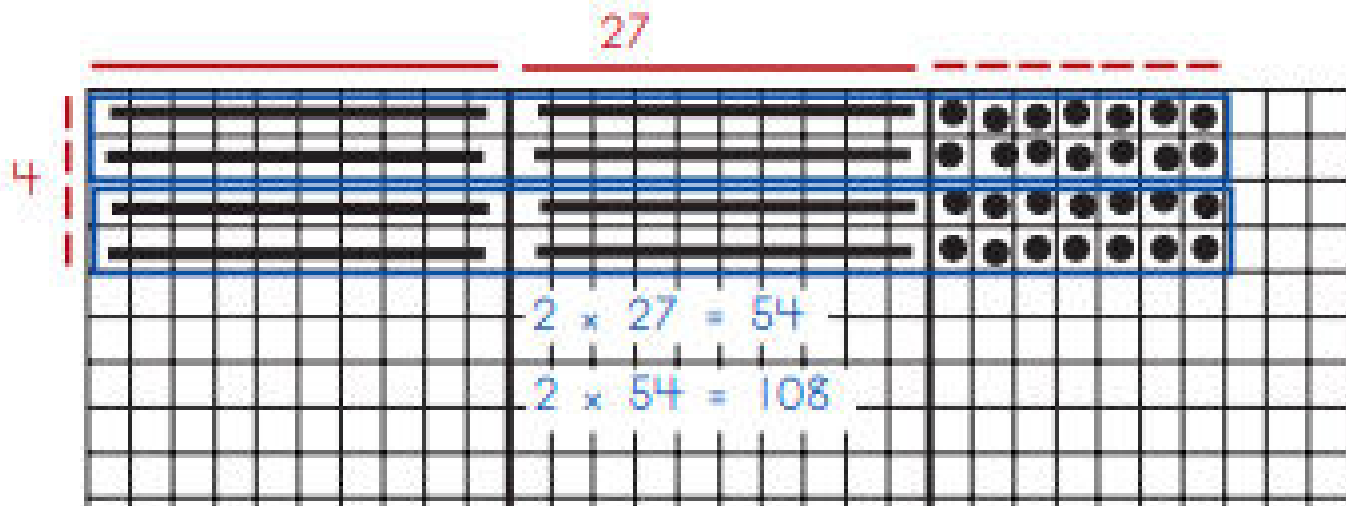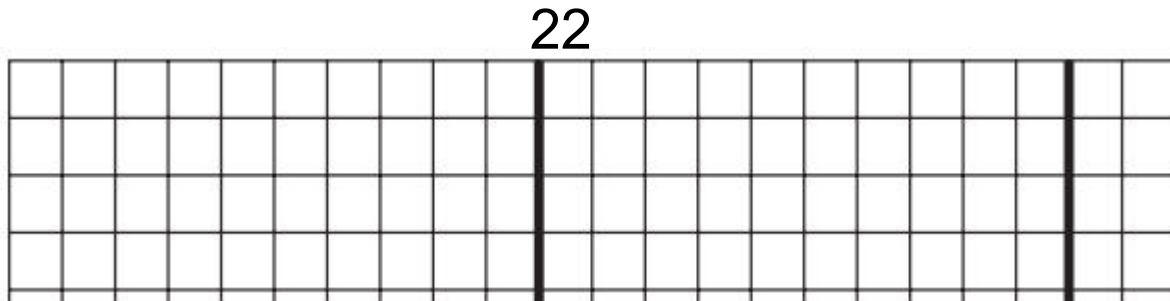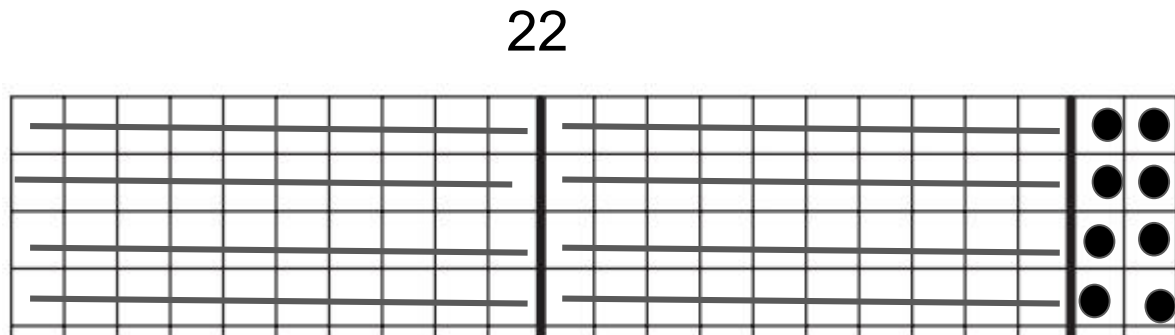
Ms. Ruttle was getting ready for a big party! She bought soda and bottled water in six- packs. As she was checking out, she counted 22 six-packs. How many drinks did she buy for the party?

22

4

22

4

Solve this on your own

HOW DID YOU DO?

Daily Practice

SB 233 Multiplication Practice

Home Connection

HC 127–128 Multiplication, Division, & Perimeter Practice