

# *Unit 7 Module 2 Session 5*

## *Problems and Investigations-Sharing Posters*

Getting Ready-

- TM T5 Poster Directions
- Teacher poster from previous lesson
- Student posters
- Student journals
- Word Resource Card for *associative property of mult.*

# VOCABULARY

Array

Associative Property of Multiplication

Equation

Expression

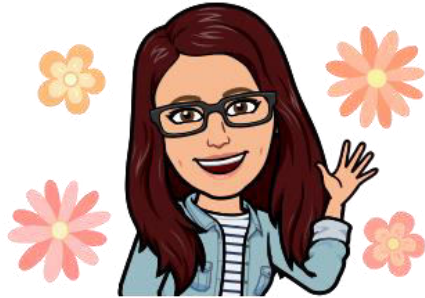
Factor

Multiply

Parentheses

Product

I  
CAN

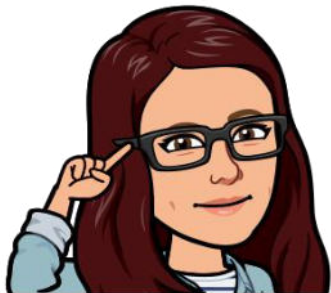


- Use and explain multiplication strategies to demonstrate and understanding of multiplication
- Multiply whole numbers from 1-9 by multiples of 10 using strategies based on place value and properties of operations

SHARE YOUR  
POSTERS!



**NEW STRATEGY!**



**ANY**

**OBSERVATIONS?**



**associative  
property of  
multiplication**

$(4 \times 2) \times 3 = 4 \times (2 \times 3)$



Let's Try It Out!

$\times 3 =$

$(4 \times 2) \times 3 =$



first

$4 \times$

$=$

$4 \times (2 \times 3) =$



first

$$(3 \times 5) \times 4 =$$

$$3 \times (5 \times 4) =$$

$$\text{So } (3 \times 5) \times 4 = 3 \times (5 \times 4)$$

True or False?

Write these expressions in your journal and find out if they are equivalent to one another.

$$(4 \times 3) \times 10 =$$

$$4 \times (3 \times 10) =$$

$$3 \times (4 \times 10) =$$



$$2 \times (5 \times 6) =$$

$$5 \times (2 \times 6) =$$

$$6 \times (2 \times 5) =$$

# *Work Places*

5C Line 'Em Up

5D Division Capture

6A Tangram Polygons

6B Geoboard Polygons

6C Guess My Quadrilateral

6D Area or Perimeter

# *Daily Practice*

SB 236- Multiplication Equations