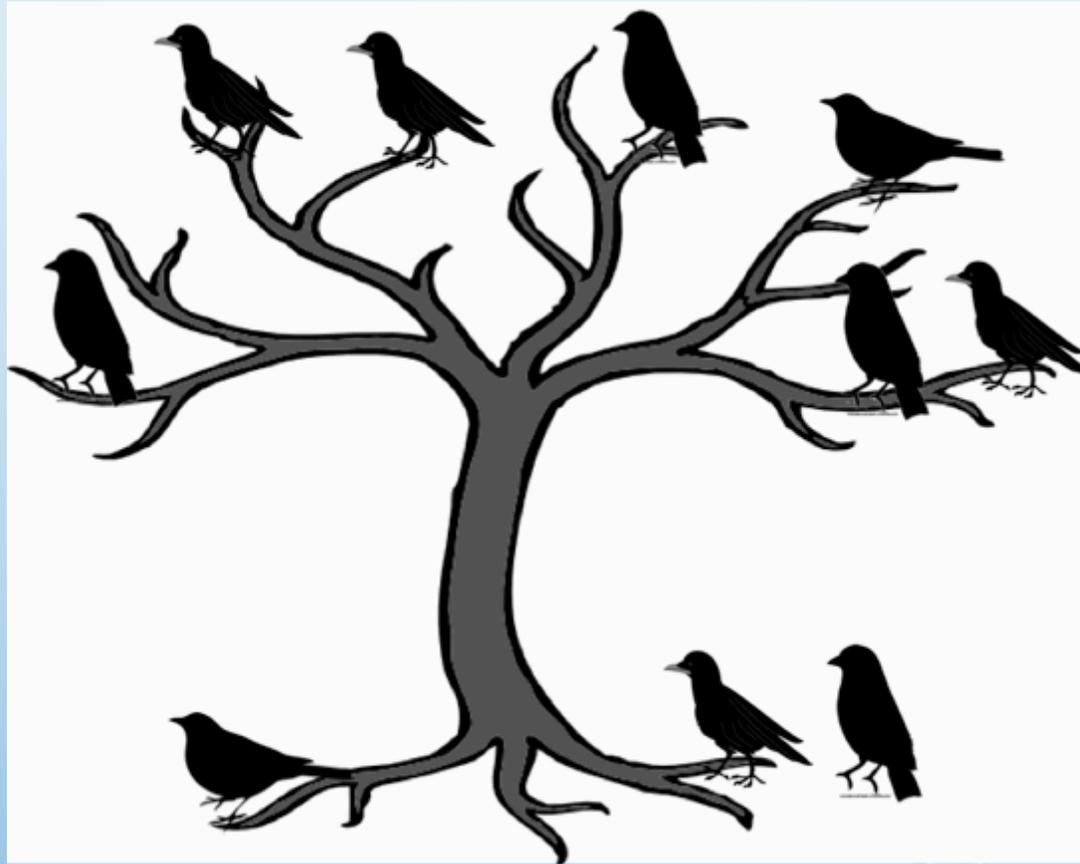


# PRISMS AND PYRAMIDS

- THIRD GRADE CLASS
- CO-TEACHING WITH A PRE-SERVICE TEACHER
- ATTENDING TO STUDENT DISCOURSE:
  - IT CAN SIT STILL
  - IT'S FORMING INTO A TRIANGLE
  - IT GOES LIKE THIS
  - PYRAMIDS CANNOT STAND ON THEIR HEADS
  - PRISMS CAN STAND ON THEIR HEADS

# VERBIFYING: JOINING & SEPARATING



# JUMPING ON A NUMBER LINE...

Take 3 jumps of 4.

Roll two dice to find the numbers for the blanks.



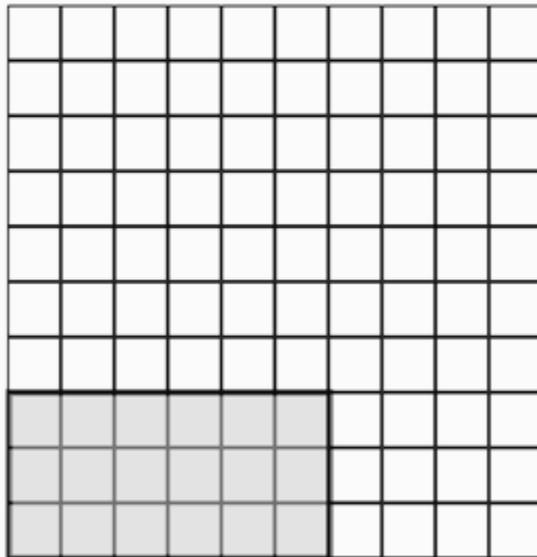
Record your results on the recording sheet.



# SHADING ROWS OF...

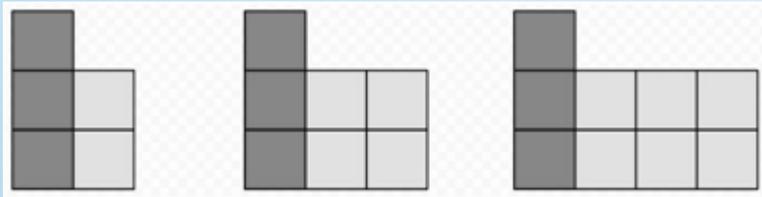
Shade 3 rows of 6.

Roll two dice to find the numbers for the blanks.

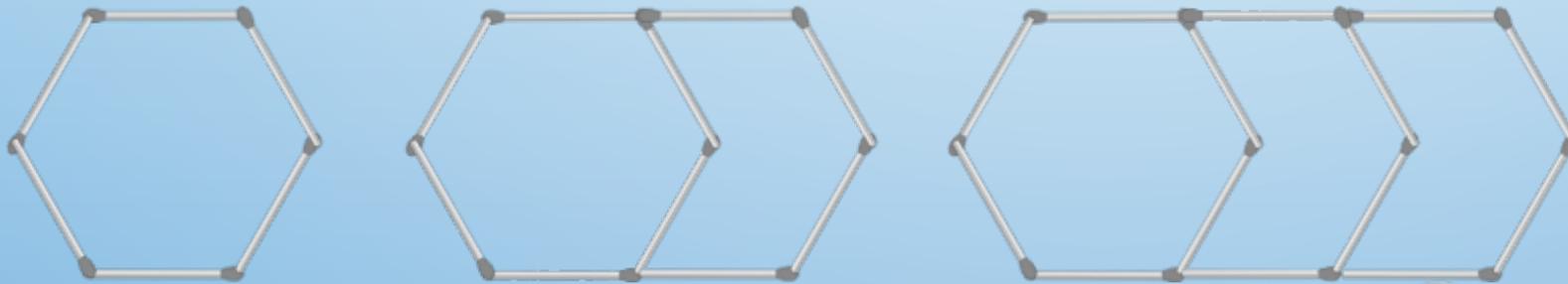


Record your results on the recording sheet.

# 'VERBIFYING' PATTERNS...HOW DO I MAKE IT?



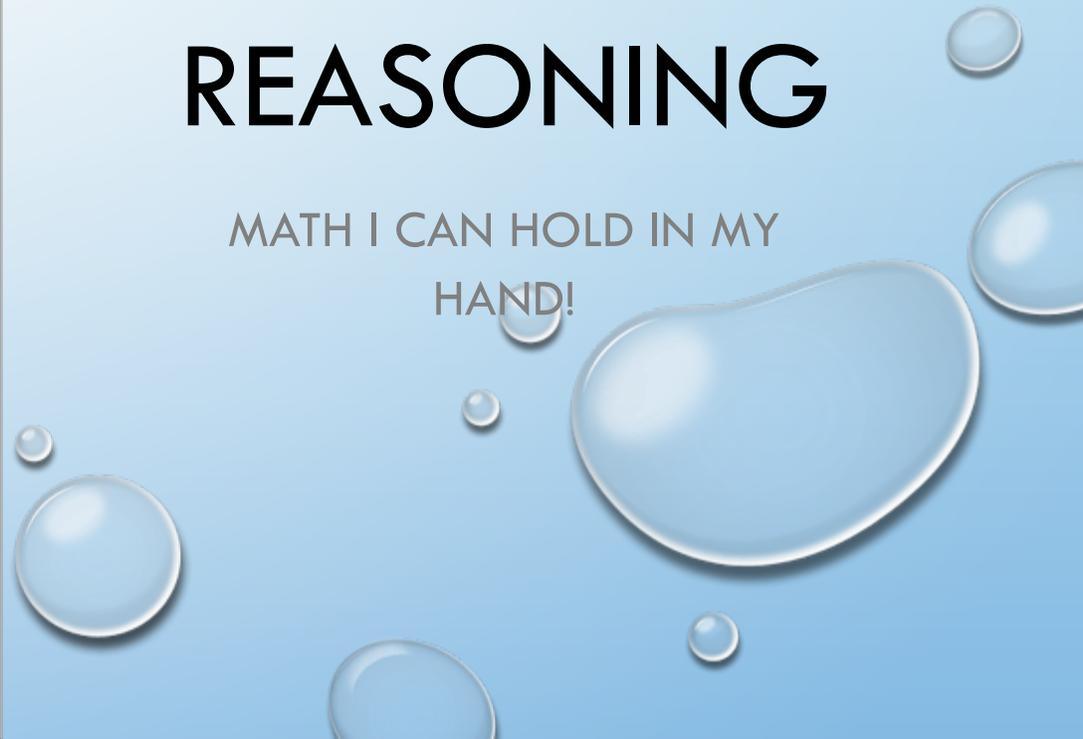
- HOW IS THE PATTERN CHANGING?
- HOW DO I MAKE THE NEXT ONE?
- HOW COULD I MAKE THE 5<sup>TH</sup> ONE?
- HOW COULD I MAKE THE 10<sup>TH</sup> ONE?
- HOW COULD I MAKE ONE FOR ANY NUMBER TERM I MIGHT BE GIVEN?



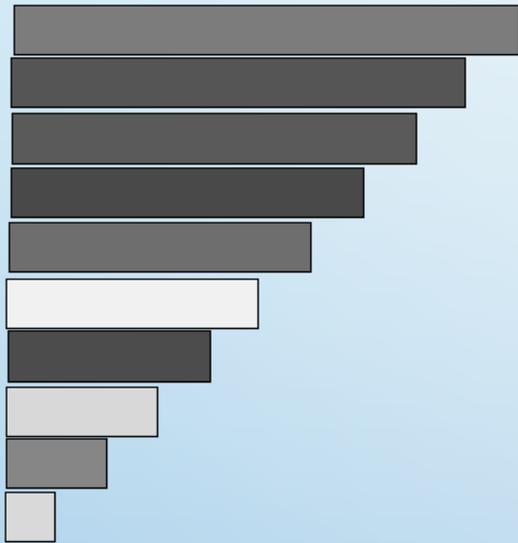


# SPATIAL REASONING

MATH I CAN HOLD IN MY  
HAND!



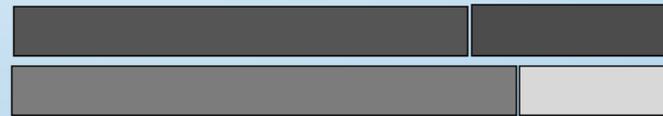
# ADDING AND SUBTRACTING



$$8 + 7 = 10 + 5$$



$$9 + 4 = 10 + 3$$

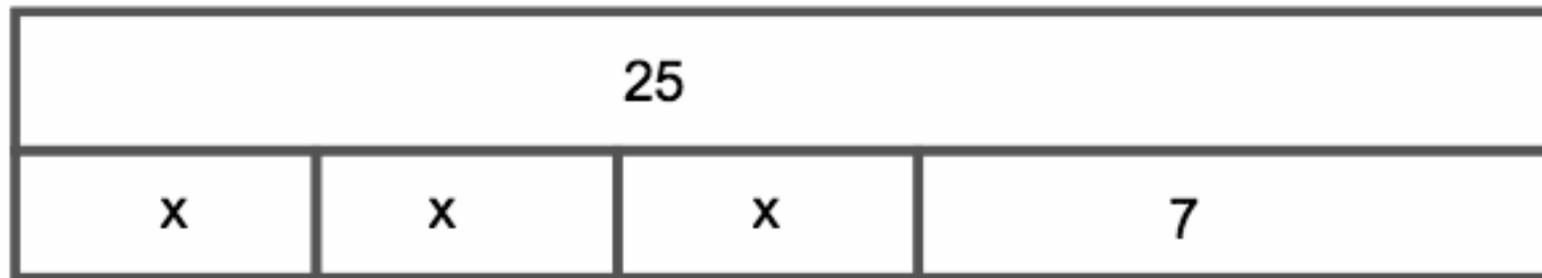


$$17 - 8 = 9$$



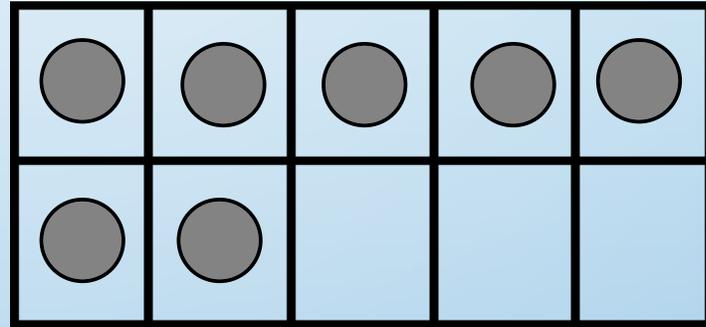
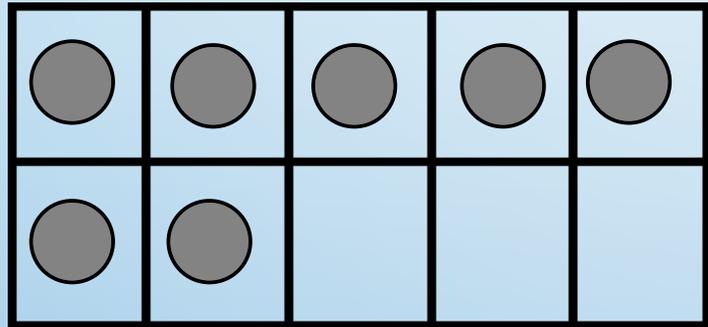
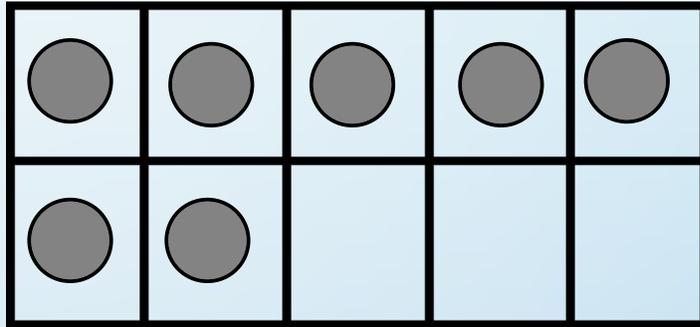
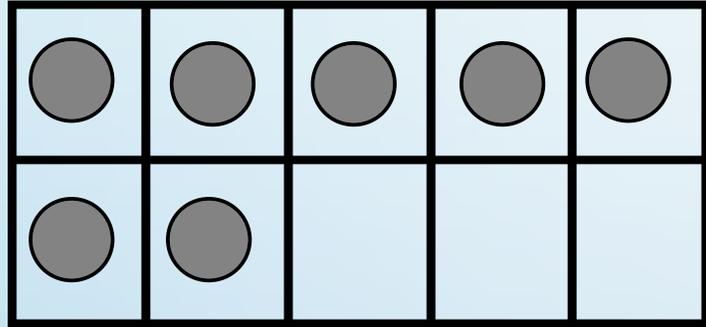
# CONNECTING TO ALGEBRAIC REASONING

$$3x + 7 = 25$$

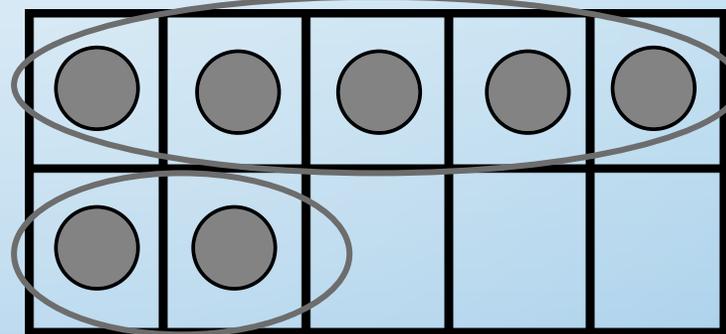
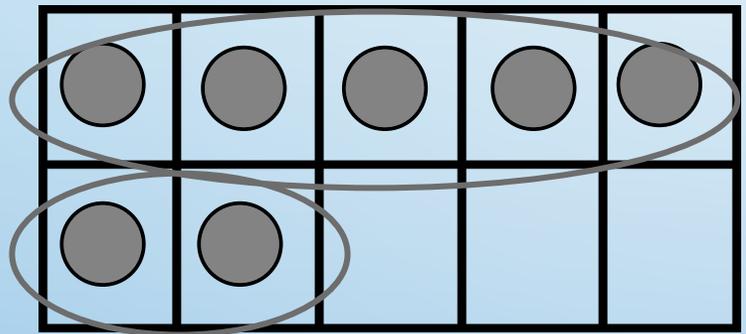
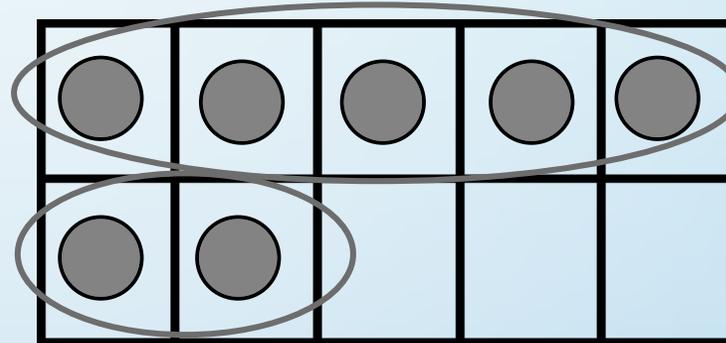
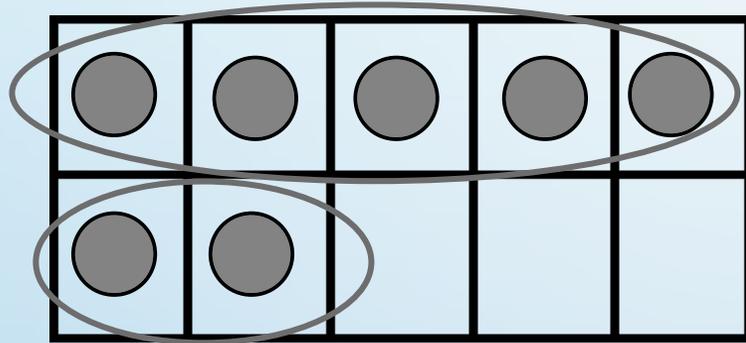



$$4 \times 7$$

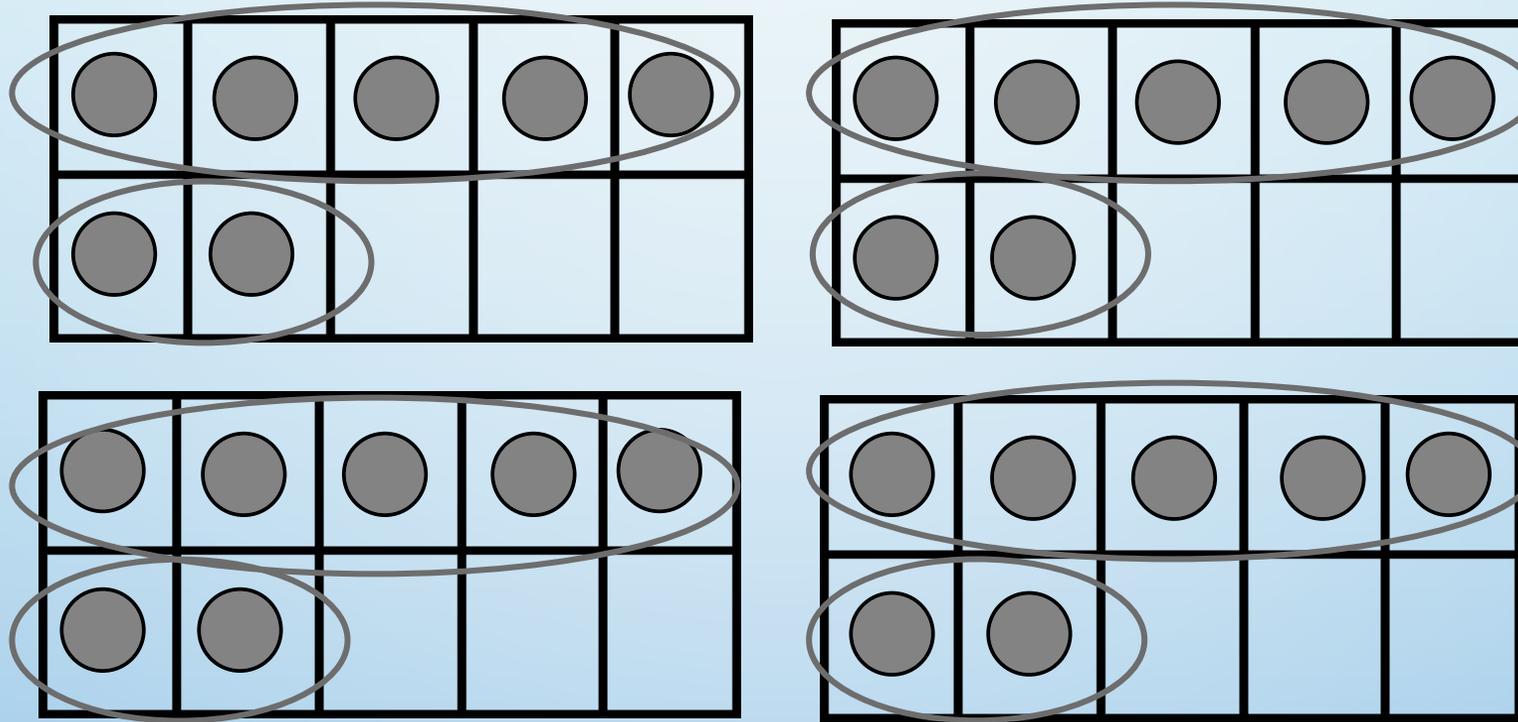
How can this help us with our 7s facts?



How can this help us with our 7s facts?

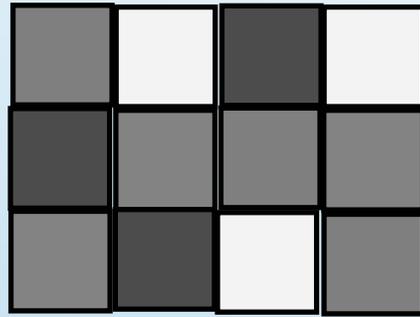


How can this help us with our 7s facts?

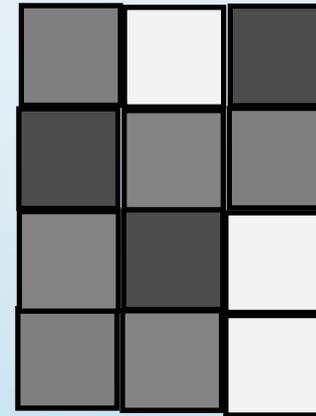


$$4 \times 7 = 4 \times 5 + 4 \times 2 = 20 + 8 = 28$$

# ARRAYS AND AREAS



$$3 \times 4 = 12$$



$$4 \times 3 = 12$$

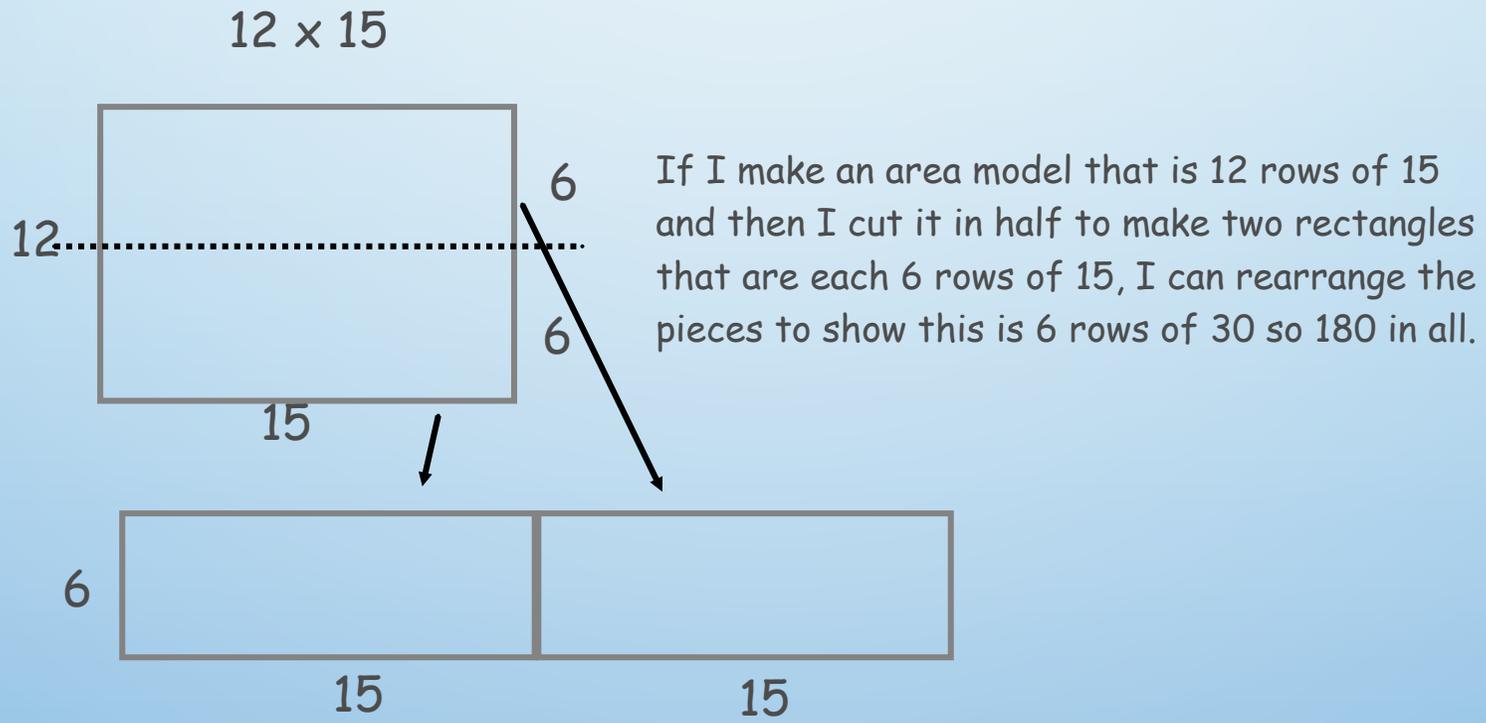


$$2 \times 6 = 12$$

$$1 \times 12 = 12$$

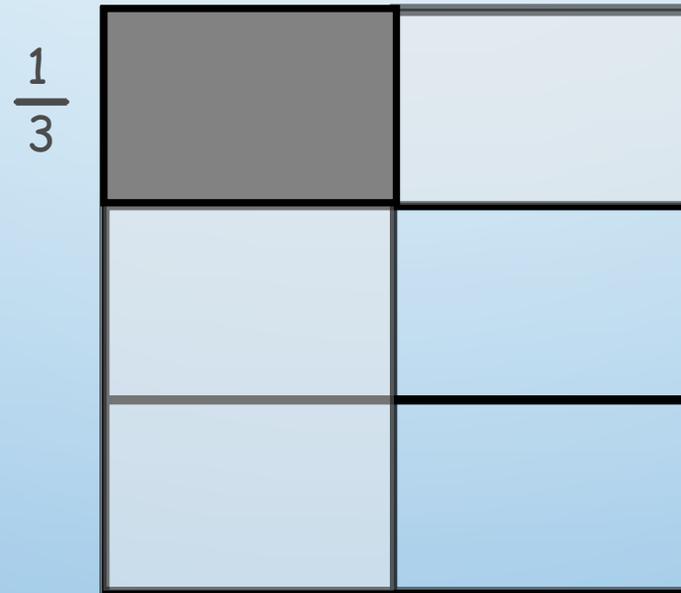


$$\text{SHOW } 12 \times 15 = 6 \times 30$$



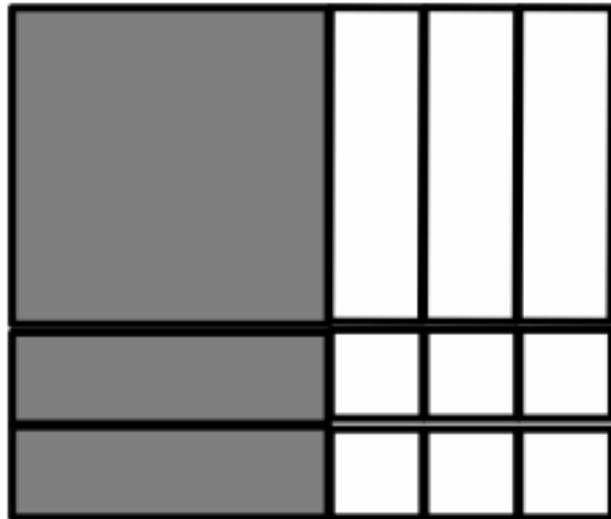
# MULTIPLYING FRACTIONS WITH AREA...

$$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$$

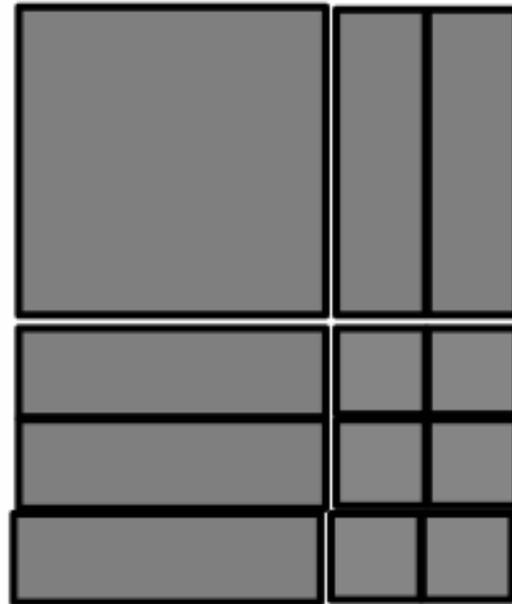


# AREA MODELS FOR BINOMIALS...

$$(x + 2)(x - 3)$$



$$x^2 + 5x + 6$$





# RECONCILIATION

- **“RESTORE WHAT MUST BE RESTORED, REPAIR WHAT MUST BE REPAIRED, AND RETURN WHAT MUST BE RETURNED”** (TRUTH AND RECONCILIATION COMMISSION OF CANADA, 2015, P. 6).



IT'S GOOD FOR  
EVERYONE, BUT  
ESSENTIAL FOR SOME...

- CHECK OUT  
[SHOWMEYOURMATH.CA](http://SHOWMEYOURMATH.CA)
- WELA'LIOQ / THANK YOU!