

#### **Math Virtual Learning**

## HS/Essential Math II

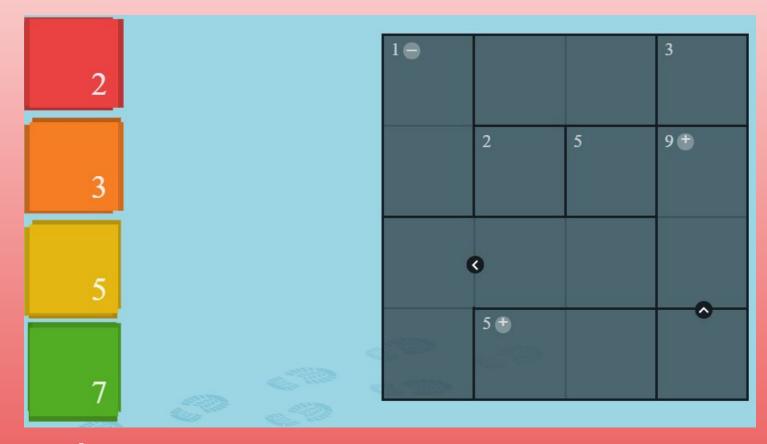
May 18, 2020



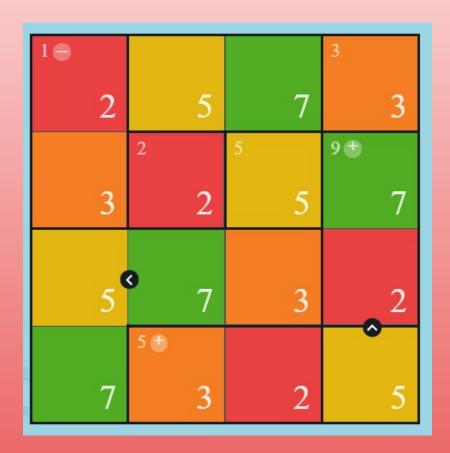
High School/Essential Math 2 Lesson: May 18, 2020 (U4L7)

#### **Objective/Learning Target**

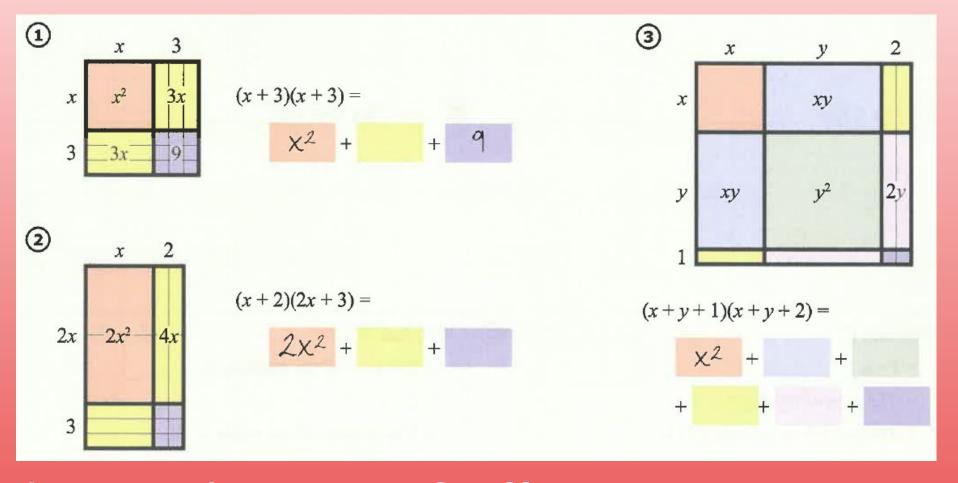
Use mathematical reasoning to clearly and understandably square variables



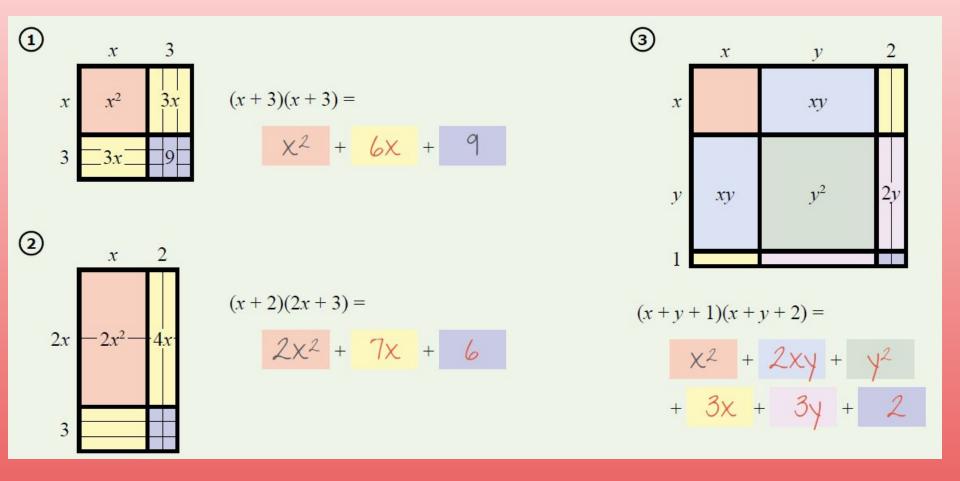
Bellwork



Bellwork Answer



#### Lesson - Important Stuff



Answers - Combine like terms and find patterns

Match each algebraic expression with an area model.

**15** 
$$2(n+6)$$

**16** 
$$n(2+3)$$

$$\begin{array}{c|cccc}
\hline
\mathbf{A} & n & 3 \\
\hline
n & & & \\
\end{array}$$

$$(17)$$
  $2(n+6)$ 

**18)** 
$$n(n+3)$$

Use an area model to multiply

**20** 
$$(3w+6)(w-5) =$$

#### Stuff to Make You Think

Match each algebraic expression with an area model.

**(15)** 2(n+6)

A

©

**16** n(2+3)

2(n+6)

B

℗

n

**18** n(n+3)

**ANSWERS** Stuff to Make You Think

20	(3w+6)(w-5) =	3w2	_	9W	_	30

3W 3W2 W 6W Draw an area model and use it to multiply.

(A) 
$$c(c+3) =$$

© 
$$x(x+y-7) =$$
 \_\_\_\_\_

**(a)** 
$$(c+3)^2 =$$

**E** 
$$(4-p)(p-4) =$$

#### **Additional Practice**

Draw an area model and use it to multiply.

$$\begin{array}{c|c} \textbf{A} & c(c+3) = \underline{\qquad c^2 + 3c} \\ \underline{\qquad c} & \underline{\qquad 3} \\ c & \underline{\qquad c^2 \qquad 3c} \\ \end{array}$$

(B) 
$$3(c+3) = 3c + 9$$
  
 $c = 3$   
 $3c = 9$ 

$$(x) = \frac{x^2 + xy - 7x}{x}$$

$$(x) = \frac{x^2 + xy - 7x}{y}$$

$$(x) = \frac{x^2 + xy - 7x}{y}$$

$$(x) = \frac{x^2 + xy - 7x}{y}$$

(D) 
$$(c+3)^2 = \frac{c^2 + 6c + 9}{c}$$
  
C  $\frac{3}{3}$   
C  $\frac{2}{3}$   
3  $\frac{3c}{9}$ 

### **Additional Practice Key**

# You learned how to use mathematical reasoning to clearly and understandably square variables.

For additional practice, click the link: Solve Me Mystery Grids