

# Math Virtual Learning HS/Essential Math II

May 6, 2020



### High School/Essentials of Algebra Course 2 Lesson: May 6, 2020(U4L3) **Objective/Learning Target:**

 Understand the relationship between area & multiplication & use it to reason about numerical & polynomial multiplication.

## Mental Math \* Activity 3: Dividing 2-digit numbers by 10

50	50
10	40
90	49
91	20
92	23

70	
72	
80	
82	
78	

60	
61	
71	
40	
39	

## Mental Math \* Activity 3: Dividing 2-digit numbers by 10

50	5	50
10	1	40
90	9	49
91	9.1	20
92	9.2	23

50	5	
40	4	
49	4.9	
20	2	
23	2.3	

70	7
72	7.2
80	8
82	8.2
78	7.8

60	6
61	6.1
71	7.1
40	4
39	3.9

#### Lesson



#### Answer



= (30)(6)

# **Stuff to Make You Think**



$$5 \cdot 28 = 5(20 + \_) = 5 \cdot \_ + 5 \cdot 8 = \_ + \_ = \_$$



# **ANSWERS** Stuff to Make You Think



$$5 \cdot 28 = 5(20 + 8) = 5 \cdot 20 + 5 \cdot 8 = 100 + 40 = 140$$

$$20 9 4 80 36 4 \cdot 29 = 116$$

$$28 = 5(20 + 6) = 5 \cdot 20 + 5 \cdot 8 = 100 + 10 = 1$$

(4)(29) = 4(20) + 4(9) = 80 + 36 = 116

# **Additional Practice**

<u>Multiple:</u> The product result of multiplying one number by another number

For example, 2, 4, 6, 8, and 10 are **multiples** of 2. To get these **numbers**, you multiplied 2 by 1, 2, 3, 4, and 5,

<u>Sum</u>: The result of adding numbers together

Product: The result when you multiply two or more numbers together



Notice the Pattern in the Latin Square. Patterns are present in both the Mystery Grid and the Latin Squares

# **Additional Practice Key**



Lesson: April 30, 2020 (U4L1 part II) Today you:



Built your working memory & the ability to coordinate multiple constraints. Sharpened familiarity with properties of numbers & operations Sharpened arithmetic skills (recognizing multiples, factors, etc.)

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