

Math Virtual Learning HS/Essential Math II

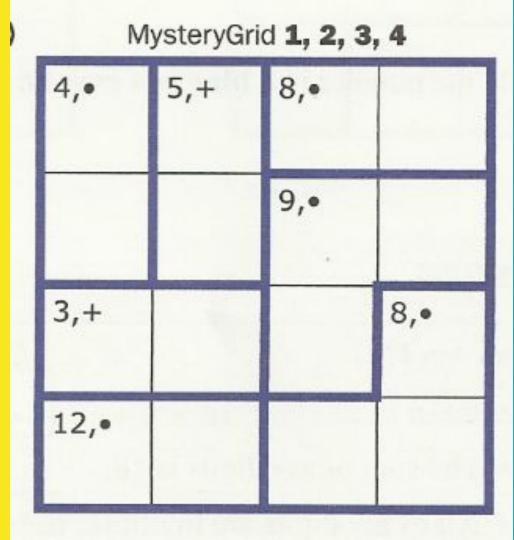
May 4, 2020



High School/Essentials of Algebra Course 2 Lesson: May 4, 2020(U4L2) **Objective/Learning Target:**

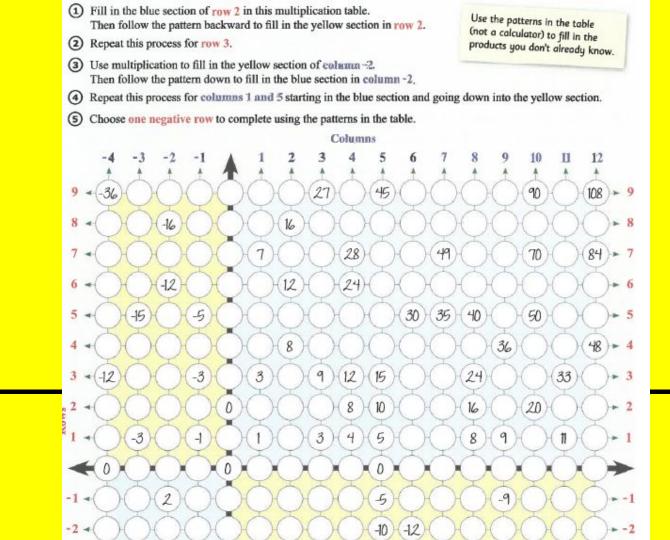
Understand the behavior of multiplication with signed terms as an extension of number line patterns.

Do Now:

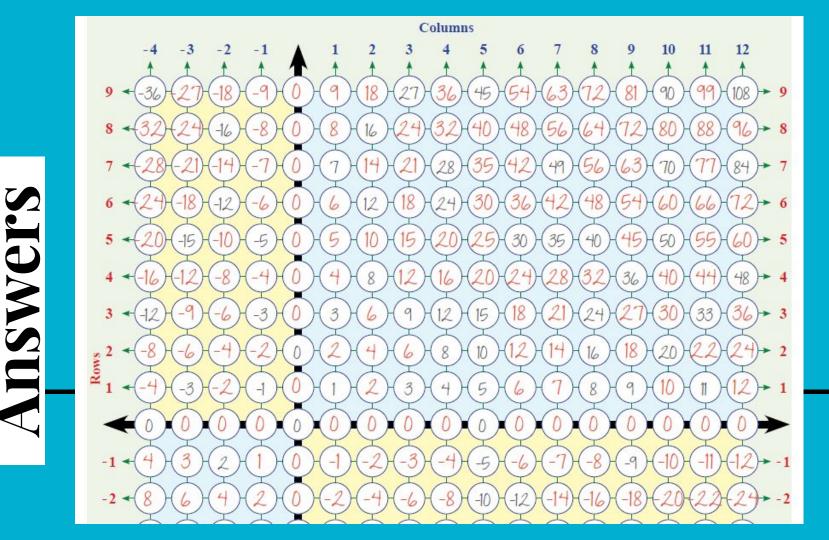








lesson



lesson

Find the number at the following locations. (6)

(a) column 12, row 2

(b) column -3, row 8

(-4, -6)(d) (12, -2)

(7)

Where would 24 be in the multiplication table?

Column	3		
Row	8		

Where would -12 be in the multiplication table? (8)

Column	6		
Row	-2		

Circle the sign of the number at the following locations. (9)

(a) column 5, row -4 (b) column 8, row 4

+ or –

- + or + or -
- $\begin{array}{c} (c) (-2, 10) \\ + \text{ or } \end{array} \qquad \begin{array}{c} (d) (-5, -6) \\ + \text{ or } \end{array} \qquad \begin{array}{c} (e) (12, -9) \\ + \text{ or } \end{array}$

Answers

6 Find the number at the following locations.

					b column -3, row 8 -24 c $(-4, -6)$ 24 d $(12, -2)$ e $(-3)(8) = 24$ $(-4)(6) = 24$ $(12)(-2) =$ lication table? (a) Where would -12 be in the multiplication table									
	Column	3	6	-4	12	8	ary.)	Column	6	-4	2	-3	12	
	Row	8	4	-6	2	3	Respo	Row	-2	3	-6	4	-1	
•	 Circle the sign of the number at the following labels a column 5, row -4 b column 8, row + or - 						4 c	(-2, 10) + or -	þ) (-5, -(+) or	6) _	۲	(12, -9) + or (-	Э

(5)(-4) = -20 (8)(4) = 32 (-2)(10) = -20 (-5)(-6) = 30 (12)(-9) = -108

Who Am I?

- The product of my digits is a square number.
- The product of my digits is one less than twice a square number.

h

U

• t + u > 2

Who Am I?

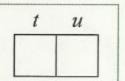
• t > u

I am odd.

• h = u - 3

• I am a multiple of 5.

· My tens digit is a perfect square.



REMEMBER: the square of a number is product of a number times itself,

Ex:
$$5^2 = 25$$
 and $8^2 = 64$

Who Am I?

• I am a multiple of 6.



• I am between 5² and 8², but I am not a perfect square.

Who Am I?

- The sum of my digits is 8.
- The product of my digits is 16.



U

Who Am I?

- The product of my digits is a square number.
- The product of my digits is one less than twice a square number.

h

2

U

5

• t + u > 2

Who Am I?

ANSWERS

- · I am odd.
- I am a multiple of 5.
- t > u
- My tens digit is a perfect square.
- h = u 3



• I am a multiple of 6.



• I am between 5^2 and 8^2 , but I am not a perfect square.

Who Am I?

• The sum of my digits is 8.

U

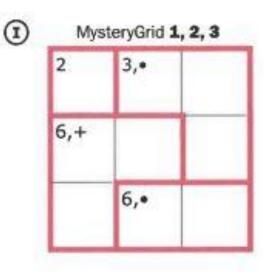
• The product of my digits is 16.

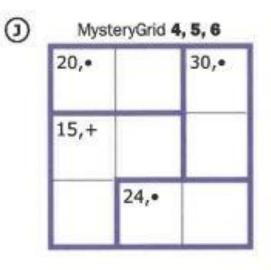


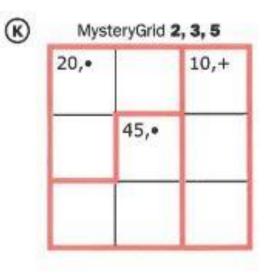
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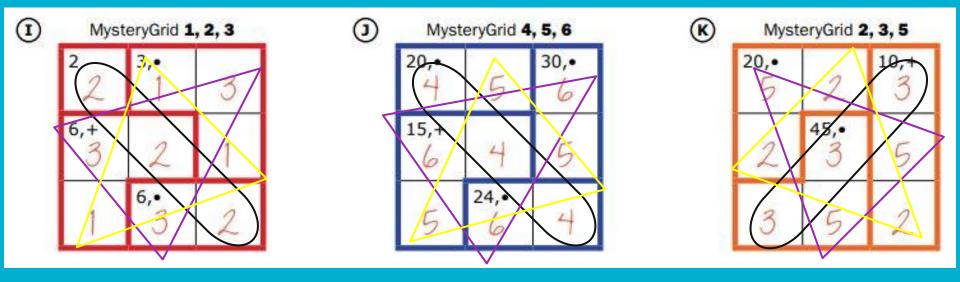
Additional Practice







Answers Additional Practice





Lesson: May 4, 2020 (U4L2)

You have

- 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