

Math Virtual Learning

HS/Essential Math II

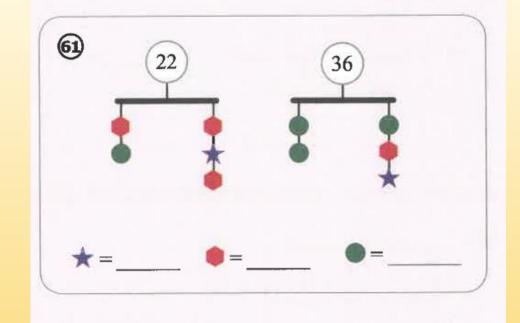
May 8, 2020

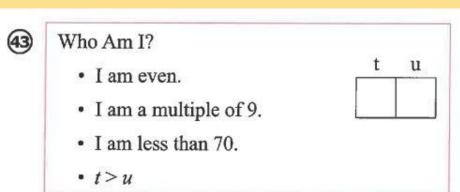


High School/Essentials of Algebra Course 2 Lesson: May 8, 2020(U4L4) Objective/Learning Target:

Use area model thinking to apply the distributive property to multiplication problems.

Bellwork







Who Am I?

- I am a multiple of 7.
- My tens digit is less than my units digit.

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· Both of my digits are even.

Bellwork Key

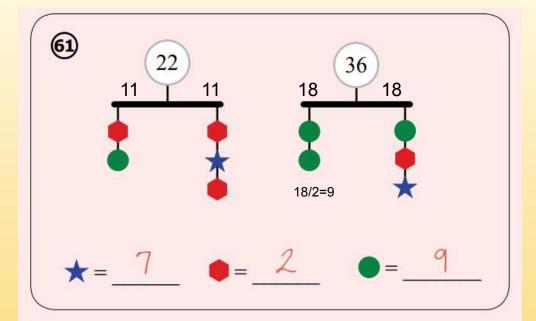
Figure out what you can and then plug in those answers

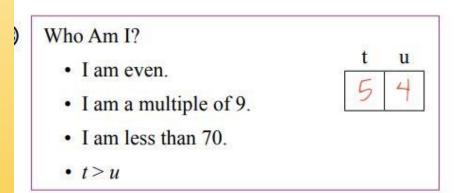
You know that 18/2 = 9 so = 9

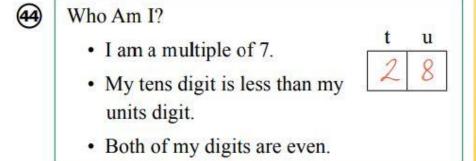
Go to the problem on the left 11-9=2 so == 2

Fill in the rest of the problem. 11-4 = 7So $\Rightarrow = 7$

Now just plug and replace and finish the rest of the mobile

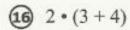




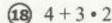


Stuff to Make You Think

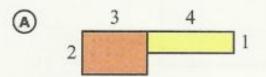
Match each numerical expression with one of the area models. You may use the same model more than once.

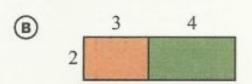












Find the total area of each of these shapes.

20 Shape A

21) Shape B

Answers Stuff to Make You Think

Match each numerical expression with one of the area models. You may use the same model more than once.



(18) 4 + 3 • 2

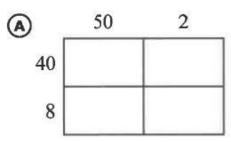
Find the total area of each of these shapes.

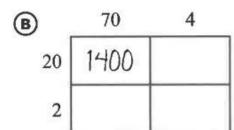
$$6 + 4 = 10$$

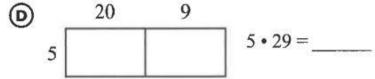
$$6 + 8 = 14$$

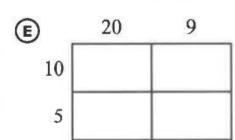
Additional Practice

Fill in all the blanks and use the area models to multiply.









F How could you use your answers to problems C and D to get the answer to problem E?

Additional Practice Key

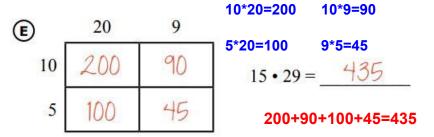
Fill in all the blanks and use the area models to multiply.

A	50	2	2000+80+400+16=2496
40	2000	80	52 • 48 = 2496
8	400	16	50*40=2000 40*2=80
			8*50=400 8*2=16

B .	70	4
20	1400	80
2	140	8

70*20=1400	20*4=80			
70*2=140	2*4=8			
22 • 74 = _	1628			
1400+80+140+8=1628				

© _	20	9	220
10	200	90	10 • 29 = <u>Z90</u> 200+90=290
20 D	* 10=200 20	90*10=90 9	200 00 200
5	100	45	5 • 29 = 145 100+45=145



How could you use your answers to problems C and D to get the answer to problem E?

Add them together.

9*5=45

5*20=100

Mystery Grids

Lesson: May 8, 2020 (U4L4.1)

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