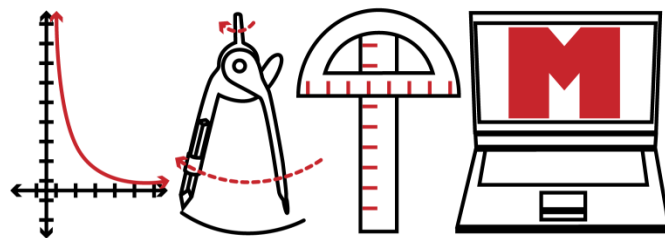


# LATM Presents – Essential Math Models that Support LSSM Instruction: Area Models – Middle/Jr. High

*2017 Teacher Leader Summit*

*New Orleans, LA  
June 6-9, 2017*



**LOUISIANA ASSOCIATION of  
TEACHERS of MATHEMATICS**

Presenter:

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Try this one:

$$83 \times 19 = \underline{\quad}$$

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Try this one:

684 divided by 6

Try this one:

$$\frac{2}{3} \times \frac{1}{5} = \underline{\quad}$$

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Try this one:

$$\frac{3}{5} \times \frac{5}{9} = \underline{\quad}$$

Try this one:

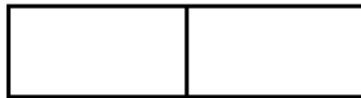
$$4(x - 6)$$



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Try this one:

$$8y(2y^2 - y)$$



Try this one:

$$(x - 5)(x + 7)$$


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Try this one:

$$(x - 3)(x - 9)$$


Copy each of the generic rectangles below and fill in the missing dimensions and areas. Then write the entire area as a product and as a sum. Be prepared to share your reasoning.

a.

$xy$	$3y$
$x$	

b.

$x$	$x^2$	
		$6$

c.

$x^2$	
$12x$	
$5$	

d.

	$-3xy$	
$-2$	$-4x$	$-10$
$-3y$		