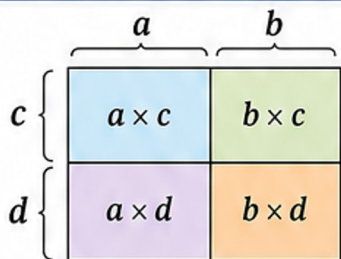


AREA MODEL GRID TEMPLATES

WHAT IS AN AREA MODEL?



TOTAL AREA

$$a \times c + b \times c + a \times d + b \times d$$

$$= \underline{\hspace{2cm}}$$

CLASSROOM VOCABULARY

Area: The space inside a shape.

Model: A drawing to help solve a problem.

Factor: A number that is multiplied.

Product: The answer to a multiplication.



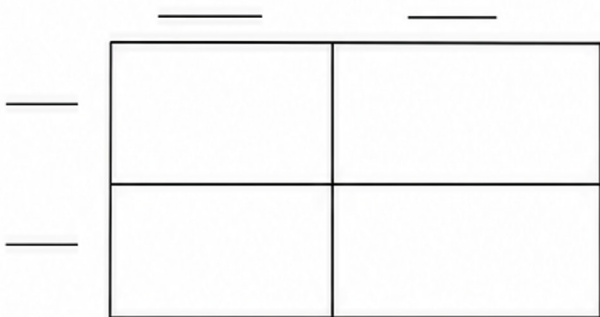
USE THE TEMPLATES BELOW

Label the sides with the given expressions. Write each partial product in the boxes.



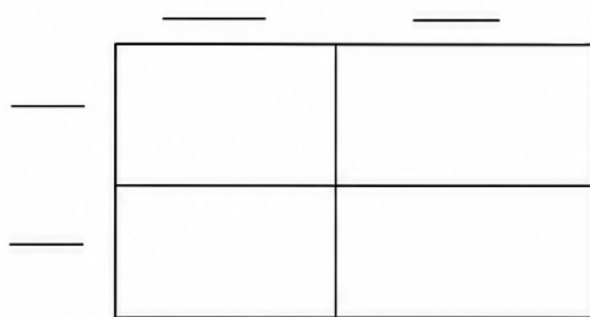
Then add to find the total area.

1 $(x + 5)(x + 3)$



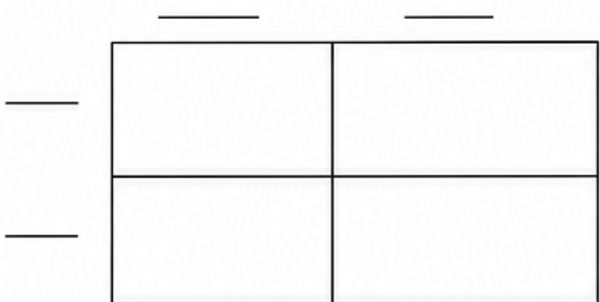
TOTAL AREA = _____

2 $(2x + 7)(x + 4)$



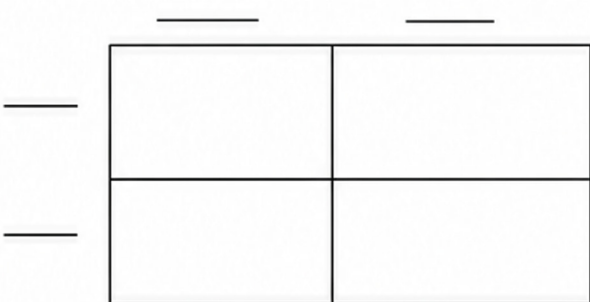
TOTAL AREA = _____

3 $(3x + 2)(2x + 5)$



TOTAL AREA = _____

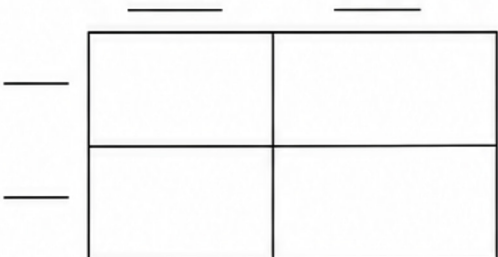
4 $(x + 6)(x + 2x + 1)$



TOTAL AREA = _____

YOUR TURN

Choose your own binomials and create an area model.



My expression:

(_____)(_____)

TOTAL AREA = _____

