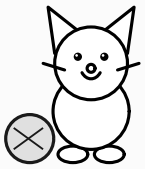
Name : _____ Date : _____

**PAPILUMO / 3rd Grade**

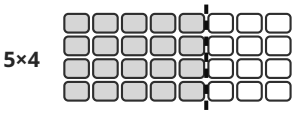
# Break Apart 8 & 9 Times Arrays

Look at the dashed split inside each wood-tile grid, write both partial products in the first two boxes, then add them for the final product.



Sacha the Beaver splits wide wood-tile grids into friendly parts! Break ×8 into 5 + 3 and ×9 into 5 + 4 to multiply tricky facts with ease.

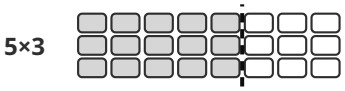
**Model: 8 × 4 = (5×4) + (3×4)**




**8 × 4 = 20 + 12 = 32**

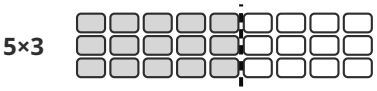
**Find the two partial products on each split grid, then add them to get the total**

**#1** **8 × 3** **5 + 3**



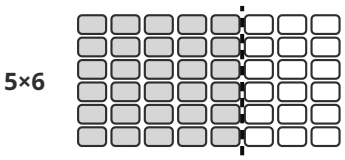

(5 × 3) + (3 × 3) = **(8 × 3)**

**#2** **9 × 3** **5 + 4**



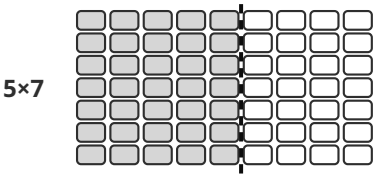

(5 × 3) + (4 × 3) = **(9 × 3)**

**#3** **8 × 6** **5 + 3**



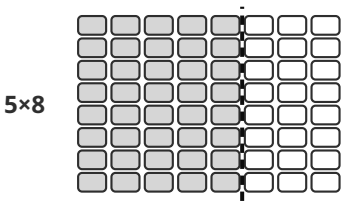

(5 × 6) + (3 × 6) = **(8 × 6)**

**#4** **9 × 7** **5 + 4**



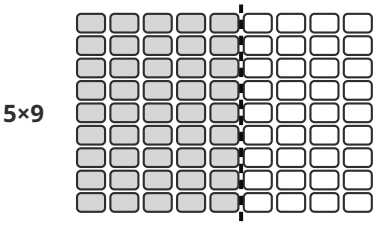

(5 × 7) + (4 × 7) = **(9 × 7)**

**#5** **8 × 8** **5 + 3**




(5 × 8) + (3 × 8) = **(8 × 8)**

**#6** **9 × 9** **5 + 4**




(5 × 9) + (4 × 9) = **(9 × 9)**

Sacha's tip: anchor on your friendly 5-times facts first, then add the 3-times or 4-times group!