

# A GUIDE TO BREAK APART METHOD

- ① figure out your problem (what number will you split up to make it easier to solve)
- ② split it up into 2 multiplication sentences
- ③ solve each problem
- ④ add the 2 products from step 3 together

## EXAMPLE

Step #       $4 \times 13$

1      "my problem is  $4 \times 13$ . 13 is a big number, so I'll break it up."

2      "I'll break 13 into ⑤ and ⑧ ( $5+8=13$ )"  
( $4 \times ⑤$ ) + ( $4 \times ⑧$ )

3      ( $4 \times 5$ ) + ( $4 \times 8$ )  
= 20 + 32 (these are your products)

4       $20 + 32 = 52$