

When Maya multiplies even numbers and their products by 6, she discovers something interesting about the ones place.

$6 \times 2 = 12$	$6 \times 4 = 24$
$6 \times 12 = 72$	$6 \times 24 = 144$
$6 \times 72 = 432$	$6 \times 144 = 864$
$6 \times 6 = 36$	$6 \times 8 = 48$
$6 \times 36 = 216$	$6 \times 48 = 288$
$6 \times 216 = \underline{\hspace{2cm}}$	$6 \times 288 = \underline{\hspace{2cm}}$

- a. Use number bonds to find the 2 missing products.
- b. When an even number and its products are multiplied repeatedly by 6, why does the digit in the ones place stay the same? (Hint: $6 = 5 + 1$)