

## Possible Solutions

<p>Distributive Property</p> $394 \times 10$ $(300 + 90 + 4) \times 10$ $(300 \times 10) + (90 \times 10) + (4 \times 10)$ $3000 + 900 + 40 = 3940$	<p>Commutative Property</p> $394 \times 10 = 3940$ <p>and</p> $10 \times 394 = 3940$
<p>Distributive Property</p> $10 \times 394$ $10 \times (300 + 90 + 4)$ $(10 \times 300) + (10 \times 90) + (10 \times 4)$ $3000 + 900 + 40 = 3940$	

Brizza knew that multiplying a number by 10 essentially moved each digit one place value to the left and finished by putting a zero in the ones place. Her proof came when she decomposed 394 into place value equivalents  $(300 + 90 + 4)$ , multiplied each part by ten, and added the partial products together. Then she reminded Tiandre that it didn't matter in which order the factors were multiplied, the result would be the same.