

Name _____

Date _____

1. a. Multiply. Then, add the tens digit and ones digit of each product.

$1 \times 9 = 9$	$\underline{0} + \underline{9} = \underline{9}$
$2 \times 9 = 18$	$\underline{1} + \underline{8} = \underline{\quad}$
$3 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$4 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$5 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$6 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$7 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$8 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$9 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$10 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

- b. What is the sum of the digits in each product? How can this strategy help you check your work with the nines facts?
- c. Araceli continues to count by nines. She writes, “90, 99, 108, 117, 126, 135, 144, 153, 162, 171, 180, 189, 198. Wow! The sum of the digits is still 9.” Is she correct? Why or why not?

2. Araceli uses the number of groups in 8×9 to help her find the product. She uses $8 - 1 = 7$ to get the digit in the tens place and $10 - 8 = 2$ to get the digit in the ones place. Use her strategy to find 4 more facts.
3. Dennis calculates 9×8 by thinking about it as $80 - 8 = 72$. Explain Dennis' strategy.
4. Sonya figures out the answer to 7×9 by putting down her right index finger (shown). What is the answer? Explain how to use Sonya's finger strategy.

