

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Multiply. Then add the digits in each product.

$10 \times 9 = \mathbf{90}$	$\underline{\mathbf{9}} + \underline{\mathbf{0}} = \underline{\mathbf{9}}$
$9 \times 9 = \mathbf{81}$	$\underline{\mathbf{8}} + \underline{\mathbf{1}} = \underline{\mathbf{9}}$
$8 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$7 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$6 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$5 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$4 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$3 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$2 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$1 \times 9 =$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

What pattern did you notice in the table? How can this strategy help you check your work with nines facts?

2. Thomas calculates  $9 \times 7$  by thinking about it as  $70 - 7 = 63$ . Explain Thomas' strategy.

3. Alexia figures out the answer to  $6 \times 9$  by lowering the thumb on her right hand, shown below. What is the answer? Explain Alexia's strategy.



4. Travis writes  $72 = 9 \times 8$ . Is he correct? Explain at least 2 strategies Travis can use to help him check his work.