

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Complete each *more* or *less* statement.

- |                              |                              |
|------------------------------|------------------------------|
| a. 1 more than 66 is _____.  | b. 10 more than 66 is _____. |
| c. 1 less than 66 is _____.  | d. 10 less than 66 is _____. |
| e. 56 is 10 more than _____. | f. 88 is 1 less than _____.  |
| g. _____ is 10 less than 67. | h. _____ is 1 more than 72.  |
| i. 86 is _____ than 96.      | j. 78 is _____ than 79.      |

2. Circle the rule for each pattern.

- |                           |        |        |         |         |
|---------------------------|--------|--------|---------|---------|
| a. 34, 33, 32, 31, 30, 29 | 1 less | 1 more | 10 less | 10 more |
| b. 53, 63, 73, 83, 93     | 1 less | 1 more | 10 less | 10 more |

3. Complete each pattern.

- a. 37, 38, 39, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- b. 68, 58, 48, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- c. 51, 50, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 46
- d. 9, 19, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 59

4. Complete each statement to show mental math using the arrow way.

a.  $39 \xrightarrow{+1} \underline{\hspace{1cm}}$       $56 \xrightarrow{+10} \underline{\hspace{1cm}}$       $42 \xrightarrow{-10} \underline{\hspace{1cm}}$       $80 \xrightarrow{-1} \underline{\hspace{1cm}}$

b.  $32 \xrightarrow{+1} \underline{\hspace{1cm}} \xrightarrow{+ \underline{\hspace{1cm}}} 43$       $87 \xrightarrow{-10} \underline{\hspace{1cm}} \xrightarrow{-1} \underline{\hspace{1cm}}$

c.  $48 \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{+ \underline{\hspace{1cm}}} 68 \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{+1} \underline{\hspace{1cm}} \xrightarrow{+1} \underline{\hspace{1cm}}$

5. Complete each sequence.

a.  $45 \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{-1} \underline{\hspace{1cm}} \xrightarrow{-1} \underline{\hspace{1cm}} \xrightarrow{-10} \underline{\hspace{1cm}} \xrightarrow{-10} \underline{\hspace{1cm}}$

b.  $61 \xrightarrow{-1} \underline{\hspace{1cm}} \xrightarrow{-1} \underline{\hspace{1cm}} \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{-1} \underline{\hspace{1cm}}$

6. Solve each word problem using the arrow way to record your mental math.

a. Yesterday Isaiah made 39 favor bags for his party. Today he made 23 more. How many favor bags did he make for his party?

b. There are 61 balloons. 12 blew away. How many are left?