

I am confident with the place value of 6-digit numbers.

- Write a 6-digit number with no zeros.
- Write the complement to 999 999 by writing the matching digit to 9 in each column. For example,
 
$$\begin{array}{r} 574\ 832 \\ + 425\ 167 \\ \hline 999\ 999 \end{array}$$
- Find the digit sum of the first number by adding the digits until you reach a single digit number. For example,  $5 + 7 + 4 + 8 + 3 + 2 = 29 = 2 + 9 = 11 = 1 + 1 = 2$
- Find the digit sum of the second number. Record the two digit sums. Repeat this whole process five times starting with different 6-digit numbers. Write what you discover about the digit sums in each pair.

Follow these instructions.

- 12
- 6  $674\ 907 - 500 = \square$
  - 7  $145\ 786 + 4000 = \square$
  - 8  $453\ 231 - 40\ 000 = \square$
  - 9  $342\ 536 + 100\ 000 = \square$
  - 10  $897\ 385 - 50 = \square$
  - 11  $625\ 780 + 50\ 000 = \square$

Copy and complete.

- Write the numbers described in figures.
- 1 Six hundred thousands, seven hundreds, five tens, ninety thousands, three ones
  - 2 Three hundreds, seventy-six thousands, four ones, nine hundred thousands
  - 3 Seven hundred thousands, one ten, six thousands, five ones, two hundreds
  - 4 Eight hundreds, two hundred thousands, thirty-six thousands, nine ones, three tens
  - 5 Fifty-four thousands, three ones, one hundred thousand, five tens

Write the numbers described in figures.

I am confident with the place value of 6-digit numbers.

Write a 6-digit number which reads the same forwards as backwards. Now use the number and write a subtraction so that the middle two digits become zero.



- 1  $707\ 707 + 500 = \square$
- 2  $355\ 969 - 6000 = \square$
- 3  $567\ 635 + 200\ 080 = \square$
- 4  $875\ 963 - 600\ 008 = \square$
- 5  $743\ 135 + 20\ 070 = \square$
- 6  $966\ 241 - 330\ 030 = \square$
- 7  $652\ 224 + 601 = \square$
- 8  $803\ 114 - 600\ 200 = \square$
- 9  $678\ 639 + 200\ 002 = \square$
- 10  $194\ 507 - 60\ 020 = \square$
- 11  $975\ 289 - 600\ 045 = \square$
- 12  $867\ 675 + 20\ 005 = \square$
- 13  $975\ 923 - 600\ 904 = \square$
- 14  $366\ 515 + 2700 = \square$
- 15  $878\ 154 - 608\ 020 = \square$
- 16  $777\ 357 + 200\ 050 = \square$
- 17  $385\ 922 - 60\ 081 = \square$
- 18  $557\ 605 + 3000 = \square$
- 19  $821\ 944 - 600\ 509 = \square$
- 20  $847\ 378 + 100\ 730 = \square$

Copy and complete.