

- Use digits to write the number five hundred twenty-five million, eight hundred eighty-two thousand, sixty-two
- The following number is written in expanded form. Write it in standard form.
$$4 \cdot 1000\,000\,000 + 7 \cdot 1\,000\,000 + 1 \cdot 100\,000 + 2 \cdot 1000 + 9 \cdot 100 + 9 \cdot 10 + 6 \cdot 1$$
- Round 127,095,752 to the nearest thousand.
- Find the average of 2, 5, 13, 4, and -19 .
- Consider the numbers 725, 444, 404040, 123456, 2727
 - Find all numbers from the list that are divisible by 2.
 - Find all numbers from the list that are divisible by 3.
 - Find all numbers from the list that are divisible by 6.
- Find the sum of all prime numbers between 40 and 50.
- List all the factors of 136.
- Use the prime factorization method to find the least common multiple of 210 and 96.
- A, B, and C work together and make \$ 30 000. They will split the money into six equal shares. A will take three shares, B will take two shares, and C will take one share. How much money does A, B, and C take home?
- Perform each of the following operations. Show all steps.
 - $-4 + 2 + (-12) + 7 =$
 - $12 - |6 + (-11)| + |11 + (-6)| - |2^3 + (-11)| =$
 - $-3 + (-3 + 7) + [(17 - 9) - 3] =$
 - $|4 - 2| + |2 + (-4)| - |(-5) + 3| + |2| + |-2| =$
- Let $x = 3$, $y = 4$, and $z = -1$. Evaluate each of the following expressions.
 - $y^2 + (x + z)^2 - 2 - 2(x - z) + (x + z) =$
 - $2y + 3(x + y) + z + y + 1 =$
 - $(x + y + z)^2 =$
 - $x^2 + y^2 + z^2 =$
- Solve each of the following equations. Make sure to check your solutions.
 - $2x = 14$
 - $a + 3 = 5$
 - $y \div 7 = 7$
 - $z - 98 = 3$
- Is the number 5 a solution of the equation $2x^3 + 10 = 9x^2 + 7x$?