

- Use digits to write the following number: three hundred three billion, thirty-nine million, seven hundred fifty-two thousand, ninety-eight. **303 039 752 098**
- The following number is written in expanded form. Write it in standard form. **209 831**
$$2 \cdot 100\,000 + 9 \cdot 1000 + 8 \cdot 100 + 3 \cdot 10 + 1 \cdot 1$$
- Rounding.
 - Round 203 715 002 to the nearest million. **204 000 000**
 - Round 203 715 002 to the nearest hundred thousand. **203 700 000**
- Which number is greater, 10 000 001 or 1000 003? **10 000 001**
- The sides of a rectangle are 100 ft and 150 ft long.
 - Find the perimeter of the rectangle. Include units in your answer. **$P = 500$ ft**
 - Find the area of the rectangle. Include units in your answer. **$A = 15\,000$ ft²**
- Consider the following numbers: 235, 681 111, 260 010, 101 010, 421 422, 100 000.
 - Use the rule of divisibility by 2 to find all numbers from the list that are divisible by 2. **260 010, 101 010, 421 422, 100 000**
 - Use the rule of divisibility by 3 to find all numbers from the list that are divisible by 3. **681 111, 260 010, 101 010, 421 422**
 - Use the rule of divisibility by 5 to find all numbers from the list that are divisible by 5. **235, 260 010, 101 010, 100 000**
- List all the factors of 24. **1, 2, 3, 4, 6, 8, 12, 24**
- The following numbers are all primes, with one exception. Which number is NOT a prime? 3, 41, 53, 57, 101. **57**
- Find the prime factorization for 120. **$120 = 2^3 \cdot 3 \cdot 5$**
- Use the prime factorization method to find the least common multiple of 36 and 90. **180**
- Perform the following divisions. Express your answer by giving the quotient and the remainder. For example, $17 \div 5 = 3$ R 2.
 - $2006 \div 17 =$ **118**
 - $22500 \div 17 =$ **1323 R 9**
- Perform the following operations. Show all steps.
 - $\frac{2 \cdot 5 + (3^2 - 2^3) 2^2}{(3 + 1)(3 - 1) - 1^4} =$ **2**
 - $2 \cdot 3^3 - 40 \div (2^3 - 3) \cdot 2 =$ **38**

$$(c) (2 + 2^2 \cdot 7) \div (11 - 2^2 - 2) + (3(7 - 3) - 11) = 7$$

$$(d) 3^3 + \frac{3 \cdot 2^2 + 2}{2^3 - 1} - \left(\frac{15}{3}\right)^2 = 4$$

$$(e) 2 \cdot (2^3 - 1) - 3 + \frac{2^4 + 2^2}{2^3 - 2^2} = 16$$

$$(f) 3 \cdot (3^3 - 5(2^4 - 3 \cdot (2^2 + 1^5))) = 66$$

13. A, B, and C were all looking for mistakes in the script. A found 17 mistakes, B found 10 more than A, and C found 5 less than B. What was the average number of mistakes found by A, B, and C? 22