

1. Round 203 715 002 to the nearest million. **204 000 000**
2. Round 203 715 002 to the nearest hundred thousand. **203 700 000**
3. Which number is greater: 10 000 001 or 1000 003? **10 000 001**
4. The sides of a rectangle are 100 in and 150 in long.
 - (a) Find the perimeter of the rectangle. Include units in your answer. **$P = 500$ in**
 - (b) Find the area of the rectangle. Include units in your answer. **$A = 15,000$ in²**
5. Consider the following numbers: 235, 681 111, 260 010, 101 010, 421 428, 10 000
 - (a) Find all numbers from the list that are divisible by 4. **421 428, 10 000**
 - (b) Find all numbers from the list that are divisible by 3. **681 111, 260 010, 101 010, 421 428**
 - (c) Use part a) and b) to find all numbers from the list that are divisible by 12. **421 428**
6. List all divisors of 80. **1, 2, 4, 5, 8, 10, 16, 20, 40, 80**
7. The following numbers are all primes, with one exception. Which number is NOT a prime? 3, 41, 53, 57, 101. **57**
8. Perform the following division. Express your answer by giving the quotient and the remainder. For example, $71 \div 5 = 14$ R 1
 $225000 \div 17 =$ **13235 R 5**
9. Perform the following operations. Show all work.
 - (a) $\frac{2 \cdot 5 + (3^2 - 2^3) 2^2}{(3 + 1)(3 - 1) - 1^4} =$ **2**
 - (b) $2 \cdot 3^3 - 20 \div (2^3 - 3) 2 =$ **46**
 - (c) $(2 + 2^2 \cdot 7) \div (11 - 3^2) + [3(7 - 3) - 11] =$ **16**
 - (d) $3^3 + \frac{3 \cdot 2^2 + 2}{2^3 - 1} - 5^2 =$ **4**
 - (e) $2 \cdot (2^3 - 1) - 3 + \frac{2^4 + 2^2}{2^3 - 2^2} =$ **16**
 - (f) $3 \cdot \{3^3 - 5 [2^4 - 3 (2^2 + 1^4)]\} =$ **66**
10. A, B, and C were all looking for the mistakes. 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**
11. Is 91 a prime number? **No, $7 \cdot 13 = 91$**
12. Evaluate the expression $a^3 - 3a^2 + 3a - 1$ if $a = 4$. **27**