

1. Round 1286 963 to the nearest hundred. **1287 000**
2. Round 1286 963 to the nearest hundred thousand. **1300 000**
3. The sides of a rectangle are 10 in and 13 in long.
 - (a) Find the perimeter of the rectangle. **$P = 46$ in**
 - (b) Find the perimeter and area of the rectangle. **$A = 130$ in²**
4. Consider the following numbers: 628, 57 614, 123 456, 888, 24 000, 625
 - (a) Find all numbers from the list that are divisible by 4. **628, 123 456, 888, 24 000**
 - (b) Find all numbers from the list that are divisible by 5. **24 000, 625**
 - (c) Use your answers for part a) and b) to find all numbers from the list that are divisible by 20. **24 000**
5. List all factors of 36. **1, 2, 3, 4, 6, 9, 12, 18, 36**
6. Find the average of 2005, 628, and 10 000. **4211**
7. Perform the following divisions. Express your answer by giving the quotient and the remainder. For example, $71 \div 5 = 14$ R 1
 - (a) $312312 \div 23 =$ **13578 R 18**
 - (b) $132000 \div 26 =$ **5076 R 24**
8. Perform the following operations. Show all steps.
 - (a) $5^2 + 3 \cdot 2^2 \div 3 - 3^2 =$ **20**
 - (b) $5 \cdot (50 - 3(4(2 \cdot 3 + 1) - 12) + 3) =$ **25**
 - (c) $75 \div (2^4 - 1^4) \cdot 4^2 + 3^1 \cdot 2^3 =$ **104**
 - (d) $\frac{2 \cdot 5^2 - 3 \cdot (2^3 - 2)}{24 \div 6 + 6 - 3 \cdot (5 - 3)} =$ **8**
 - (e) $5 \cdot 2^3 - 2 \cdot 4^2 + 25 - 7 \cdot 3 =$ **12**
 - (f) $\frac{(3^2 - 12 \div 4)^2 + 5^2 - 1}{2^5 - 2(2^4 - 3 \cdot 5)} =$ **2**
9. A, B, and C worked together for a week. Together they earned \$1500. They split the earnings into ten equal shares. A took 4 shares, B and C took 3 shares each. How much money did they each take? **A: \$600, B: \$450, C: \$450**
10. Insert parentheses into the following statement to make it true:

$$(2(13 - 2 \cdot 5)^2 - 3) \div 5 = 3$$
11. Find the average of all factors of 6. **3**