

1. Round 1286 963 to the nearest hundred.
2. Round 1286 963 to the nearest hundred thousand.
3. The sides of a rectangle are 10 in and 13 in long.
  - (a) Find the perimeter of the rectangle.
  - (b) Find the perimeter and area of the rectangle.
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.
  - (b) Find all numbers from the list that are divisible by 5.
  - (c) Use your answers for part a) and b) to find all numbers from the list that are divisible by 20.
5. List all factors of 36.
6. Find the average of 2005, 628, and 10 000.
7. Perform the following divisions. Express your answer by giving the quotient and the remainder. For example,  $71 \div 5 = 14 \text{ R } 1$ 
  - (a)  $312312 \div 23 =$
  - (b)  $132000 \div 26 =$
8. Perform the following operations. Show all steps.
  - (a)  $5^2 + 3 \cdot 2^2 \div 3 - 3^2 =$
  - (b)  $5 \cdot (50 - 3(4(2 \cdot 3 + 1) - 12) + 3) = 25$
  - (c)  $75 \div (2^4 - 1^4) \cdot 4^2 + 3^1 \cdot 2^3 =$
  - (d)  $\frac{2 \cdot 5^2 - 3 \cdot (2^3 - 2)}{24 \div 6 + 6 - 3 \cdot (5 - 3)} =$
  - (e)  $5 \cdot 2^3 - 2 \cdot 4^2 + 25 - 7 \cdot 3 =$
  - (f)  $\frac{(3^2 - 12 \div 4)^2 + 5^2 - 1}{2^5 - 2(2^4 - 3 \cdot 5)} =$
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?
10. Insert parentheses into the following statement to make it true:
$$2 \cdot 13 - 2 \cdot 5^2 - 3 \div 5 = 3$$
11. Find the average of all factors of 6.