

1. Round 238 901 040 to the nearest hundred thousand. **238 900 000**
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3. Consider the following numbers: 26 052, 67 808, 60 650, 1296, and 7120.
  - (a) Find the numbers from the list that are divisible by 4. **26 052, 67 808, 1296, 7120**
  - (b) Find the numbers from the list that are divisible by 5. **60 650, 7120**
4. The sides of a rectangle are 15 cm and 25 cm long.
  - (a) Find the perimeter of the rectangle.  **$P = 80$  cm**
  - (b) Find the area of the rectangle.  **$A = 375$  cm<sup>2</sup>**
5. List all factors of 48. **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**
6. Find the average of 2, 0, 9, 0, 3, 2, and 12. **4**
7. On Monday they traveled 500 miles. On Tuesday they traveled a 100 miles less than on the first day. On Wednesday they traveled twice as much as on Tuesday. How much did they travel during these three days? **1700 mi**
8. Perform the following divisions. Express your answer by giving the quotient and the remainder. For example,  $71 \div 5 = 14$  R 1
  - (a)  $12357911 \div 13 =$  **950608 R 7**
  - (b)  $198 \div 7 =$  **28 R 2**
9. Perform the following operations. Show all steps.
  - (a)  $7((2^2 + 3^2) - 10) =$  **21**
  - (b)  $2^3 + 3 \cdot 2^2 - (2 + 2 \div 2)(1 + 2^5 - 31) =$  **14**
  - (c)  $2^6 - 2^5 - 3^3 + 3^2 =$  **14**
  - (d)  $10 + 40 \div 5 \cdot 2 =$  **26**
  - (e)  $\frac{7(4^2 - 2 \cdot 7)}{2^3 - 1} + 3 - 2(3^3 - 5^2) =$  **1**
  - (f)  $3^2(3^3 - 6 \cdot 2^2) + (44 \div (19 - (5 + 3))) =$  **31**
  - (g)  $84 \div 7 - (3(8 - (3 \cdot 2))) =$  **6**
  - (h)  $(2^2 + 1)^3 \div 25 =$  **5**
  - (i)  $\frac{2^4 - 2}{3^2 - 2} + 3 \cdot 2 =$  **8**
  - (j)  $\left(7 + \frac{2 \cdot 5 - 4}{2^2 - 1}\right) \cdot 4 - 3 =$  **33**