

1. Use words to write the number 720 040 005. **seven hundred twenty million, forty thousand, five**
2. In the number 174 056 701, what is the value of each of these digits?
  - (a) 5 **fifty thousand**
  - (b) 4 **four million**
3. Use digits to write the number thirty-five billion, two hundred twelve million, forty-one thousand, forty-nine. **35 212 041 049**
4. A number has seven digits. Every digit is 2 except the hundred thousand's digit, which is 0; the thousand's digit, which is 9; and the ten's digit, which is 7. Use digits to write this number. **2029 272**
5. The following numbers are written in expanded form. Write them in standard form.
  - (a)  $9 \cdot 100\,000 + 8 \cdot 100 + 4 \cdot 1$ . **90 841**
  - (b)  $5 \cdot 1\,000\,000 + 3 \cdot 1000 + 9 \cdot 100 + 8 \cdot 10 + 7 \cdot 1$ . **5003 987**
6. The following numbers are written in standard form. Write them in expanded form.
  - (a) 299 904  **$2 \cdot 100\,000 + 9 \cdot 10\,000 + 9 \cdot 1000 + 9 \cdot 100 + 4 \cdot 1$**
  - (b) 2006  **$2 \cdot 1000 + 6 \cdot 1$**
7. Rounding.
  - (a) Round 220 475 to the nearest hundred. **220 500**
  - (b) Round 306 990 to the nearest hundred. **307 000**
  - (c) Round 220 475 to the nearest ten thousand. **220 000**
  - (d) Round 306 990 to the nearest ten thousand. **310 000**
8. Which number is greater: 10 350 or 10 305? **10 350**
9. The sides of a rectangle are 5 in and 12 in long.
  - (a) Find the perimeter of the rectangle.  **$P = 34$  in**
  - (b) Find the area of the rectangle.  **$A = 60$  in<sup>2</sup>**
10. Perform the following operations. Show all steps.
  - (a)  $4002 + 561 =$  **4563**
  - (b)  $2006 - 78 =$  **1928**
  - (c)  $72 \cdot 1000 =$  **72 000**
  - (d)  $12 \cdot 84 =$  **1008**
  - (e)  $375 \div 5 =$  **75**
  - (f)  $23\,000 \div 10 =$  **2300**
11. Andy, Bill, and Cecilia go out for pizza. They agree to split the bill equally. The price for the food is \$ 11, the drinks cost \$ 3, and they leave a tip of \$ 4. How much will each of them pay? **\$ 6**