

- Use digits to write the number ninety billion, twenty-nine million, seven hundred ninety-eight thousand, thirty-nine. **90 029 798 039**
- The following number is written in expanded form. Write it in standard form. **305 044 095**
$$3 \cdot 100\,000\,000 + 5 \cdot 1\,000\,000 + 4 \cdot 10\,000 + 4 \cdot 1\,000 + 9 \cdot 10 + 5 \cdot 1$$
- Round 218 747 to the nearest
 - hundred **218 700**
 - thousand **219 000**
 - hundred thousand **200 000**
- The sides of a rectangle are 73 ft and 12 ft long.
 - Find the perimeter of the rectangle. Include units in your answer. **$P = 290$ ft**
 - Find the area of the rectangle. Include units in your answer. **$A = 5256$ ft²**
- Consider the following numbers: 202 020, 24 680, 2 008, 444, 1 296, 2 160
 - Find all numbers from the list that are divisible by 4. **202 020, 24 680, 2 008, 444, 1 296, 2 160**
 - Find all numbers from the list that are divisible by 5. **202 020, 24 680, 2 160**
 - Find all numbers from the list that are divisible by 20. **202 020, 24 680, 2 160**
 - Find all numbers from the list that are divisible by 3. **202 020, 444, 1 296, 2 160**
 - Find all numbers from the list that are divisible by 60. **202 020, 2 160**
- List all factors of 110. **1, 2, 5, 10, 11, 22, 55, 110**
- Find the least common multiple of 120 and 220. **840**
- Find the average of -3 , 15 , -41 , -29 , 33 , and 73 . **8**
- Perform the indicated operations. Show all steps..
 - $2 + (-3) - 5 - (-10) =$ **4**
 - $-7 + (-3) - (-1) + 5 =$ **-4**
 - $3 - 8 - (3 - 8) - |3 - 8| =$ **-5**
 - $|1 - 2| - |-5| + (-5) - |-3 - (-7)| =$ **-13**
 - $|2 + (-3)| + |-2 + 7| - (-1) =$ **7**
- Let $a = 4$, $b = 2$, and $c = -2$. Evaluate each the following expressions.
 - $ab + c - a^2 - (3b + c) =$ **-14**
 - $3(b - c) =$ **12**
 - $3b - c =$ **8**
 - $(a - c)^2 =$ **36**

(e) $|a - 3 + c| + |b| - 5a + a^2 = -1$

(f) $-|3a - 20| = -8$

(g) $a^2 + b^2 - (a + b)^2 + c + 1 = -17$

11. Solve each of the following equations. Make sure to check your solution.

(a) $x - 14 = 12$ 26

(b) $5a = 100$ 20

(c) $b + (-1) = -10$ -9

(d) $c \div 4 = 32$ 128