

1. Use words to write the number 1010 010 001.
2. The following number is written in standard form. Write it in expanded form. 1002 455 001.
3. Rounding.
 - (a) Round 49 982 to the nearest thousand.
 - (b) Round 49 982 to the nearest hundred.
4. The sides of a rectangle are 17 m and 71 m long.
 - (a) Find the perimeter of the rectangle.
 - (b) Find the area of the rectangle.
5. Consider the following numbers: 2501, 37 002, 12 832, 60 003, 252 525
 - (a) Find all numbers from the list that are divisible by 2.
 - (b) Find all numbers from the list that are divisible by 3.
 - (c) Find all numbers from the list that are divisible by 4.
 - (d) Find all numbers from the list that are divisible by 5.
 - (e) Find all numbers from the list that are divisible by 6.
6. List all the factors of 98.
7. Find the least common multiple of 120 and 75.
8. Find the average of 4, 7, -2 , 0 and 6.
9. Perform the following operations. Show all steps.
 - (a) $2 + (-7) + (-5) + 8 =$
 - (b) $(-4) + (-4) + 12 + (-4) =$
 - (c) $1 + (-2) + 3 + (-4) + 5 + (-6) =$
 - (d) $|-7| + |2| =$
 - (e) $|-7 + 2| =$
10. Let $x = -1$, $y = -3$, and $z = 6$. Evaluate each of the following expressions.
 - (a) $2z + y + x + (2z + y + x)^2 - 19 =$
 - (b) $3z + x + (-2) - (y + 5)^2 - (x + 1)^2 =$
 - (c) $|x| + |y| + |z| =$

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

(a) $x - 7 = 2$

(b) $x + 2 = 112$

(c) $\frac{x}{13} = 4$

(d) $5x = 20$