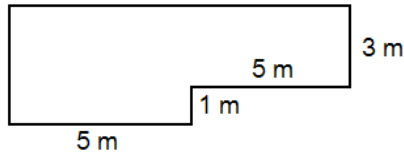


1. Use words to write the number 207 000 401.
2. Round 217 392 to the nearest thousand.
3. Consider the numbers: 710, 4801, 373 737, 12 321, 600
  - (a) Find all numbers from the list that are divisible by 3.
  - (b) Find all numbers from the list that are divisible by 5.
  - (c) Find all numbers from the list that are divisible by 20.
4. Find the least common multiple of 200 and 350.
5. Consider the figure shown on the picture below.



- (a) Find the perimeter of the figure. Show units in your computation and answer.
  - (b) Find the area of the figure. Show units in your computation and answer.
6. Perform the operations as indicated. Show all steps.
    - (a)  $-3^2 - (-3)^2 =$
    - (b)  $-2^3 - (-2)^3 =$
    - (c)  $|3| - |-8| =$
    - (d)  $-4(-3 - 2) - 5(-2) - 2|-4| =$
    - (e)  $\frac{5(-2^2 - (-2)^2)}{-4 - 6(-2)} =$
    - (f)  $\frac{-3(5(-2 - 1) - (6 - 10 \div 2))}{-1(-3 - 2(-2))} =$
    - (g)  $(-3)^3 - (-2)^3 - |-3| =$
    - (h)  $-2((5 - 3) - (3 - 8)) =$

7. Evaluate each of the following expressions.

(a)  $a(a^3 - b) - b$  if  $a = -2$  and  $b = 3$ .

(b)  $x(y - a) + a(y - x)$  if  $a = -1$ ,  $x = -3$ , and  $y = -2$ .

(c)  $-b(b - a)$  if  $a = -2$  and  $b = 1$ .

(d)  $1 + a + a^2 + a^3 + a^4$  if  $a = -2$ .

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

(a)  $2x + 1 = 19$

(b)  $5x - 2 = 23$

(c)  $-2x + 8 = 10$

(d)  $3x - 4 = 29$

(e)  $\frac{x}{-2} + 5 = 2$