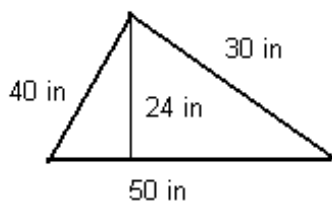


- Use digits to write the number two hundred two billion, forty-seven million, one hundred ninety-five thousand, sixty-one. **202 047 195 061**
- Round 825038219 to the nearest ten million. **830 000 000**
- Consider the following numbers: 4200, 168, 404040, 13575, 9806
 - Find all numbers from the list that are divisible by 15. **4200, 404040, 13575**
 - Find all numbers from the list that are divisible by 20. **4200, 404040**
 - Find all numbers from the list that are divisible by 12. **4200, 168, 404040**
- Find the perimeter and area of the triangle shown on the picture below. Include units in your computation and answer. **$P = 120 \text{ in}$ $A = 600 \text{ in}^2$**



- Find the average of 2, -7 , 18, -42 , 0, 4, and -3 . **-4**
- Find the average of the prime numbers between 6 and 18. **12**
- Find $\frac{4}{7}$ of 28. **16**
- Write $\frac{3}{5}$ as a fraction with denominator 40. **$\frac{24}{40}$**
- Reduce $\frac{56}{63}$ to lowest terms. **$\frac{8}{9}$**
- Which fraction is larger, $\frac{2}{7}$, or $\frac{3}{10}$? **$\frac{3}{10}$**
- Perform the indicated operations. Show all steps.
 - $7 - 2^3 + (-5) + (-5)(-2) + (-5)(-2)(-2) =$ **-16**
 - $-2 + (-5)^2 - (-2)^5 + (-2)(-4)^2 ((-3)^2 - (-2)^2) =$ **-105**
 - $\frac{(-2)^3}{1 - (4 - (7 - 3^2 \div ((-3)^2 - 2 \cdot 3)))} =$ **-8**
 - $\frac{-6^2 + 3(4 - |6|) \div 6 + (-2)^2 - 11}{4 - (-3) + 12 \div 4 \cdot 5} =$ **-2**

12. Evaluate each of the following expressions if $a = -2$ and $b = 3$.

a) $a^2 - 2ab + b^2 = 25$ b) $(2a - 3b)(a^3 - 7a - a^2b) = 78$

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

a) $\frac{x+1}{5} = -2$ -11 c) $-7y - 1 = 13$ -2

b) $4t - 3 = -31$ -7 d) $13a - 7 = 45$ 4