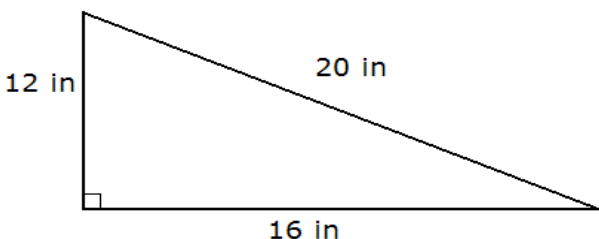


- Round 825 038 219 to the nearest ten million. **830 000 000**
- Consider the numbers 34 567, 505 050, 1296, 2004, 27 082.
 - Find all numbers from the list that are divisible by 4. **1296, 2004**
 - Find all numbers from the list that are divisible by 3. **505 050, 1296, 2004**
 - Use parts a) and b) to find all numbers from the list that are divisible by 12. **1296, 2004**
- Find the average of 2, -7, 18, -42, 0, 4, and -3. **-4**
- List all factors of 100. **1, 2, 4, 5, 10, 20, 25, 50, 100**
- Consider the right triangle shown on the picture below.



- Compute the perimeter of the triangle. Include units in your answer. **$P = 24$ in**
 - Compute the area of the triangle. Include units in your answer. **$A = 24$ in²**
- Find the average of the prime numbers between 6 and 18. **12**
 - Is 101 a prime number? **yes**
 - Perform the following 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**
 - Evaluate each of the following expressions if $a = -2$ and $b = -12$.
 - $2a - 3b + |a - b| =$ **42**
 - $\frac{a^2 (a^3)^2}{(2a)^3} =$ **-4**
 - $a^2 - 2ab + b^2 =$ **100**
 - $(20a - 3b + 2)(a^3 + 10a - a^2b) =$ **-40**
 - $|2b + a| + a =$ **24**
 - We split \$ 3000 into six equal shares and take five shares. How much money is that? **\$ 2500**