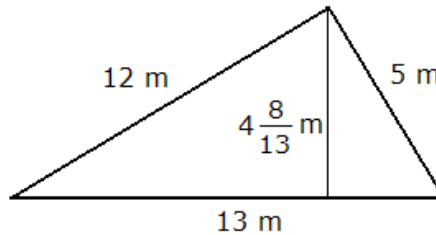


1. Use words to write 38 500 600 702.
2. Round 38500600702 to the nearest thousand.
3. Consider the triangle shown on the picture.



- a) Find the perimeter of the triangle. Include units in your computation and answer.
 - b) Find the area of the triangle. Include units in your computation and answer.
4. List the prime numbers between 40 and 70.
 5. Find the average of $-2\frac{1}{5}$, 4, $-\frac{3}{4}$, 0, $1\frac{3}{8}$ and $-\frac{7}{40}$.
 6. Find the least common multiple of 320, 60, and 900.
 7. Consider the following numbers: 4806, 200, 16 200, 61 554, 30 764.
 - a) Find all numbers from the list that are divisible by 3.
 - b) Find all numbers from the list that are divisible by 4.
 - c) Find all numbers from the list that are divisible by 12.
 8. Fractions.
 - a) Find $\frac{15}{7}$ of 3500.
 - b) Write $\frac{14}{25}$ with denominator 100.
 - c) Reduce $\frac{64}{96}$ to lowest terms.
 - d) Which fraction is larger, $\frac{15}{19}$ or $\frac{17}{21}$?
 - e) Write $42\frac{2}{3}$ as an improper fraction.
 - f) Write $\frac{1002}{31}$ as a mixed number.
 9. Use one conversion factor (or unit multiplier) to convert each of the following.
 - a) 180 inches to feet
 - b) 510 minutes to hours
 - c) 42 feet to inches

10. Perform each of the following operations. Show all steps.

a) $\frac{1}{4} \left(\frac{1}{6} + \left(1 + \frac{1}{4} \right) \right) - \frac{1}{3} =$

c) $\left(-\frac{1}{2} \right)^2 + \left(3 + \frac{1}{2} \right) \cdot \frac{1}{6} =$

b) $\left(3 + \frac{1}{2} \right) \cdot \left(5 + \frac{1}{3} \right) \div \left(2 + \frac{1}{3} \right) =$

d) $\frac{-2^2 \left((-1)^2 - 2 \cdot (-3) \right)}{(2 - (-3)^2) (3^3 \div 3^2 + 1)} =$

e) $-3^2 + (-3)^3 - 20 \div (-4) \div (-5) - |-3 - 3| =$

11. Evaluate the expression $a + 8b + 2ab + 4$ if $a = 4$ and $b = -\frac{1}{2}$.

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

a) $\frac{1}{2}x - \frac{1}{4} = \frac{3}{4}$

b) $\frac{x}{5} + 1 = -1$

c) $10 - x = 6$