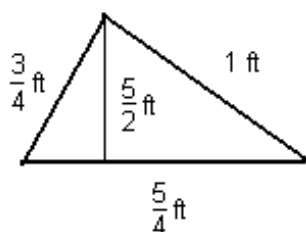


- Use digits to write the number seventeen million, four hundred thirty-nine thousand, five hundred three.
- Round 419 683 455 to the nearest ten thousand.
- Compute the perimeter and area of the triangle shown on the picture below. Include units in your computation and answer.



- List all prime numbers between 30 and 50.
- Compute the least common multiple of 100, 120, and 96.
- Consider the following numbers: 4801, 26 010, 1650, 6155, 807 605. Find all numbers from the list that are divisible by
 - 6
 - 15
 - 20
- Compute $\frac{2}{9}$ of 270.
- Write $\frac{3}{5}$ as a fraction with denominator 100.
- Reduce $\frac{72}{360}$ to lowest terms.
- Which fraction is greater, $\frac{4}{9}$ or $\frac{6}{13}$?
- Write $8\frac{1}{9}$ as an improper fraction.
- Write $\frac{58}{5}$ as a mixed number.
- Perform the indicated operations. Show all steps.
 - $\frac{1}{2} + \frac{2}{7} \cdot \frac{21}{8}$
 - $\frac{3}{4} \cdot \frac{12}{27} - \frac{1}{6}$
 - $5 \div \frac{3}{7} - \frac{5}{6}$
 - $\frac{9}{10} - \frac{4}{15} \div \frac{3}{8}$
 - $\left(\frac{1}{6}\right)^2 + \frac{7}{18} \cdot \frac{3}{21}$
 - $\frac{1 + 3\{-2 + 5[1 - 2(-2 + 4^2 \div 2^2 + 1)]\}}{2\{-1 + 3[7 - 2^2(2(-5) + 6 \cdot 2)]\}}$
 - $7(5 \cdot 2 - 3^2) + 5(6^2 + (-2)^5)$
 - $\frac{5^2 - \{(2 \cdot 7 - 2^4) + [2^2 - (3^2 - 1)]^2 - 1\}}{12 + \{6 - [5 - 2(-5)]\}}$

14. Evaluate the expression $a^4 - 2a^3 + 10a^2 - a + 7$ if

a) $a = -2$

b) $a = 0$

c) $a = 2$

15. Evaluate each of the following expressions if $x = \frac{1}{2}$ and $y = \frac{1}{3}$.

a) $(x - y)^2$

b) $x^2 - 2xy + y^2$

16. Evaluate each of the following expressions if $x = -5$ and $y = 2$.

a) $(x + y)^3$

b) $x^3 + 3x^2y + 3xy^2 + y^3$

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

a) $3a - 17 = 7$

b) $x + \frac{1}{3} = -\frac{1}{4}$

c) $\frac{11x - 3}{14} = 10$

d) $p + \frac{2}{5} = 4\frac{3}{10}$