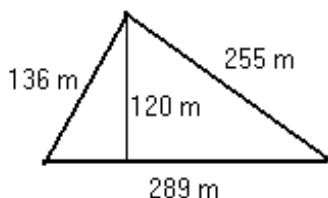


- Use words to write the number 209 003 659 020. **two hundred nine billion, three million, six hundred fifty-nine thousand, twenty**
- Round 419 683 455 to the nearest million. **420 000 000**
- Compute the perimeter and area of the triangle shown on the picture below. Include units in your computation and answer. **$P = 680 \text{ m}$ $A = 17\,340 \text{ m}^2$**



- Compute the sum of the eight smallest prime numbers. **77**
- Compute the least common multiple of 24, 42, and 90. **2520**
- Consider the following numbers: 27 625, 40 102, 6390, 4155, 8765. Find all numbers from the list that are divisible by
 6. **6390**
 15. **6390, 4155**
 18. **6390**
- Compute $\frac{3}{8}$ of 240. **90**
- Write $\frac{11}{25}$ as a fraction with denominator 100. **$\frac{44}{100}$**
- Reduce $\frac{24}{120}$ to lowest terms. **$\frac{1}{5}$**
- Which fraction is greater, $\frac{4}{7}$ or $\frac{6}{11}$? **$\frac{4}{7}$**
- Write $2\frac{3}{5}$ as an improper fraction. **$\frac{13}{5}$**
- Write $\frac{28}{3}$ as a mixed number. **$9\frac{1}{3}$**
- Perform the indicated operations. Show all steps.
 - $\frac{1}{2} + \frac{2}{7} = \frac{11}{14}$
 - $\frac{2}{5} + 4 = \frac{22}{5}$
 - $2 - \frac{5}{6} = \frac{7}{6}$
 - $\frac{7}{10} - \frac{4}{15} = \frac{13}{30}$
 - $\frac{3}{10} - \frac{2}{9} = \frac{7}{90}$
 - $5 - \frac{2}{3} = \frac{13}{3}$
 - $\frac{1}{3} \div \frac{7}{9} = \frac{3}{7}$
 - $\frac{12}{13} \div 3 = \frac{4}{13}$
 - $\frac{-2(-1)^2 |(-3 + 10 \div 5)(-3 + 6 \div 6)|}{-2 - (-3) |3^2 - 2^3|} = -4$
 - $(-1)^2 - (-2)^2 + (-3)^2 - (-4)^2 + (-5)^2 = 15$
 - $\frac{3 \cdot 2^3 - |-2 - (-2)(7 - 10)|}{2^4 - 4^2 + 1} = 16$

14. Evaluate the expression $-16x^2 + 8x + 10$ if

a) $x = 0$ **10** b) $x = 1$ **2** c) $x = 2$ **-38**

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

a) $2w - 7 = -5$ **1** b) $y + \frac{1}{2} = \frac{7}{8}$ **$\frac{3}{8}$** c) $\frac{x - 5}{3} = 16$ **53** d) $\frac{2}{5}p = \frac{4}{11}$ **$\frac{10}{11}$**