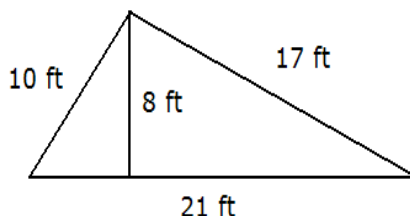


- Use words to write the number 7823 022 343. **seven billion, eight hundred twenty-three million, twenty-two thousand, three hundred forty-three**
- Round 39 649 942 to the nearest hundred thousand. **39 600 000**
- Find the perimeter and area of the triangle shown on the picture below. Include units in your computation and answer. **$P = 48 \text{ ft}$ $A = 84 \text{ ft}^2$**



- Find the least common multiple of 520 and 100. **2600**
- Find the average of -11 , 30 , -20 , 21 , -48 , -4 , and 25 . **-1**
- Find $\frac{2}{5}$ of 200. **80**
- Write $\frac{1}{4}$ as a fraction with denominator 12. **$\frac{3}{12}$**
- Reduce each of the following fractions to lowest terms.
 - $\frac{6}{8}$ **$\frac{3}{4}$**
 - $\frac{36}{63}$ **$\frac{4}{7}$**
- Which fraction is larger, $\frac{4}{5}$ or $\frac{5}{7}$? **$\frac{4}{5}$**
- Perform the following operations. Show all steps.
 - $2(-3)^2 + (-2)^2 - (3^2 + 1) - 4(-8) \div (-2) + 3 =$ **-1**
 - $2((-3)^2 + (-2)^2) - 3^2 + 1 - 4(-8) \div (-2) + 3 =$ **5**
 - $2((-3)^2 + (-2)^2 - (3^2 + 1)) - 4(-8) \div (-2) + 3 =$ **-7**
 - $2((-3)^2 + (-2)^2) - ((3^2 + 1) - 4(-8) \div (-2) + 3) =$ **29**
 - $5(-1)^5 + 4(-1)^4 + 3(-1)^3 + 2(-1)^2 + 1(-1) =$ **-3**
 - $2^3 - 3(5 - (2 - 3^3)) + 1 =$ **-81**
 - $\frac{3^4 - 2^4 - (2 - 3)^4}{2(2^2 + 3(-1)^2) - 3 \cdot 5} =$ **-64**
- Evaluate each of the following expressions if $a = 2$ and $b = -5$.
 - $ab - a + 2b - 2 =$ **-24**
 - $(a + 2)(b - 1) =$ **-24**

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

a) $(-2)x = -18$ 9 c) $\frac{2x}{7} = -2$ -7

b) $3a - 11 = 10$ 7 d) $2 - 3x = -10$ 4