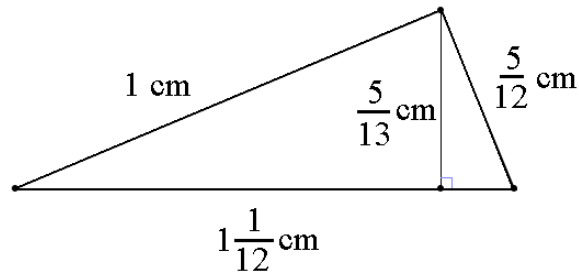


- Use words to write 100 010 001.
- Compute the perimeter and area of the triangle shown on the picture.



- Find the least common multiple of 350, 200, and 90.
- Write 44% as a reduced fraction.
- Write $\frac{3}{20}$ as a percent.
- Compute the average of the prime numbers between 10 and 20.
- $\frac{3}{8}$ of what number is 27?
- Convert 42 meters to centimeters.
- Find 27% of 200.
- Convert $7\frac{1}{2}$ feet to inches.
- 60 is what fraction of 1000?
- Compute the average of -3 , $-2\frac{1}{3}$, $\frac{3}{4}$, and $1\frac{11}{12}$.
- On the clown meeting, the ratio of sad clowns to happy clowns was 2 to 7. There were 18 sad clowns. How many happy clowns were there?
- The original picture was 8 inches wide and 14 inches long. We want to enlarge this picture so that its width measures 12 inches. How long should this picture be?
- The area of a rectangle is 14 in^2 . Find its width if its height is 4 inches long.
- Perform the following operations. Do not use a calculator.
 - $\frac{1}{2} \left(\frac{2}{5} \cdot 2\frac{1}{2} + \frac{3}{7} \cdot \left(2\frac{1}{3} \right) \right)^2 =$
 - $\frac{\frac{1}{3} + \frac{1}{2}}{\frac{1}{3} - \frac{1}{2}} =$
 - $(-5^2 - 3 \cdot (-7)) + (-5^2 - 3 \cdot (-7))^2 + (-5^2 - 3 \cdot (-7))^3 =$

17. Evaluate the expression $\frac{2x - 3y}{3y - 2x}$ if

a) $x = 4$ and $y = -5$

b) $x = \frac{1}{4}$ and $y = -\frac{1}{6}$

18. Evaluate $a^2 + b^2 - c^2$ if $a = \frac{3}{5}$, $b = -\frac{4}{5}$, and $c = -1$.

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

a) $\frac{3}{5}a + 1 = \frac{3}{10}$

b) $7 - 4x = 11$

c) $\frac{3}{8}m + \frac{5}{6} = \frac{1}{12}$

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